



Nigeria Centre for Disease Control
Protecting the health of Nigerians

Weekly Epidemiological Report

Week 22: 27th May – 2nd June, 2019

Highlight of the week

NCDC Holds Post Yellow Fever Simulation Exercise Dissemination Meeting



In March 2018, the Nigeria Centre for Disease Control (NCDC) supported by the West African Health Organisation (WAHO) conducted a full scale simulation exercise (SimEx) in an urban area- Lagos State, Nigeria. The exercise was aimed at testing the mechanisms and procedures in place for the management of major public health events particularly yellow fever in Nigeria. This exercise was the first major simulation at a large scale in Nigeria, in line with the International Health Regulations (IHR) monitoring and evaluation framework and the NCDC organisational strategy plan.

Following the simulation exercise, important recommendations were made to strengthen outbreak preparedness and response. To provide feedback, NCDC and WAHO organised a two-day dissemination meeting in Lagos from 10th - 11th June 2019. The stakeholders present included representatives from the Lagos State Ministry of Health (LSMOH), representatives of the Director NCDC and WAHO. In addition, the meeting had partners including WHO, AFENET, Georgetown University, International Federation of Red Cross (IFRC), German Agency for International Cooperation (GIZ) etc. were also in attendance.

The three major activities and outcomes of the meeting were:

1. The main findings and lessons learnt from the SimEX were shared with stakeholders from Nigeria and the ECOWAS region
2. A consensus action plan was presented and next steps agreed upon by relevant stakeholders
3. The draft version of the national yellow fever response guidelines, a major gap during the SimEx, was presented and reviewed

With the dissemination of post SimEx lessons learnt, best practices, strengths and weaknesses, NCDC will continue to work with LSMOH, other states and other stakeholders in using evidence-based strategies for improved outbreak preparedness and response.

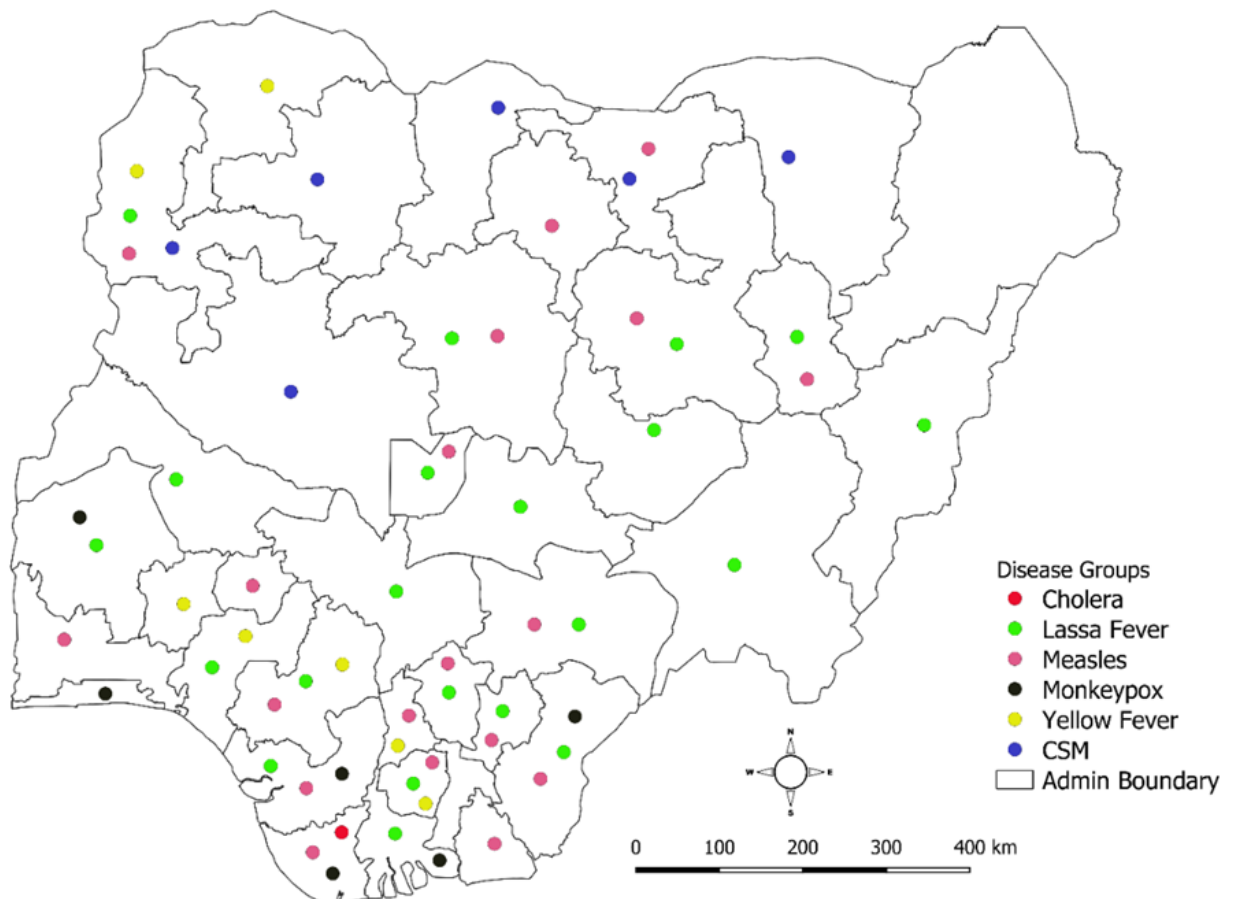
Summary of Incidents

Ongoing incidents

2

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 22: 27th May – 2nd June, 2019

Lassa Fever^{1,2}	Cerebrospinal Meningitis (CSM)^{3,4}	Yellow Fever^{3,4}
62 Suspected cases	9 Suspected cases	79 Suspected cases
3 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}
16 Suspected cases	1088 Suspected cases	1 Suspected case(s)
0 Confirmed cases	2 Confirmed cases	1 Confirmed cases
0 Deaths	1 Deaths	0 Deaths
Acute Flaccid Paralysis (AFP)^{3,4}	National Sentinel influenza surveillance⁵	
105 Suspected cases	0 Suspected cases	
0 Confirmed Polio	0 Confirmed cases	

Timeliness of reports₃	Completeness of reports₃
89.9% Last 4 weeks	97.3% Last 4 weeks
91% 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 22

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
62	3	1	State: 13 LGA: 25

Year to date (week 1 – 22)

Suspected cases		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
1982	2639	432	581	108	130	25%	22.4%

Figure 1: Number of suspected and confirmed cases of Lassa Fever, Nigeria, week 1 – 22, 2019

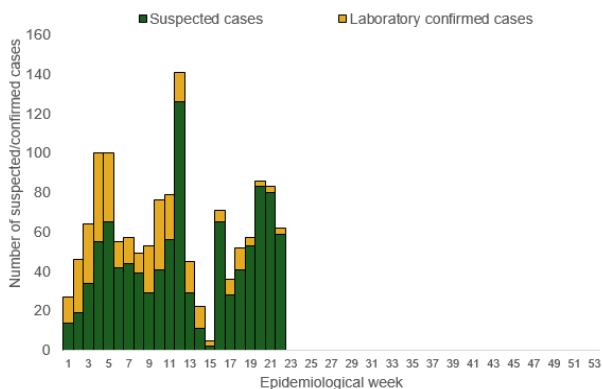
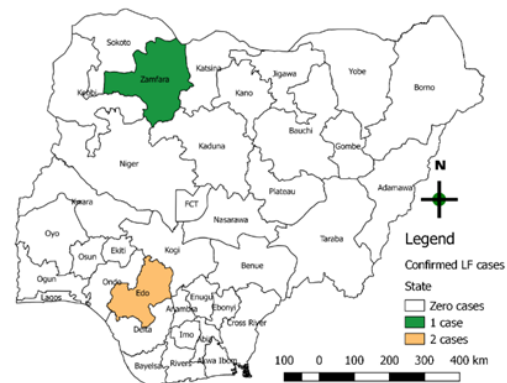


Figure 2: Location of **confirmed** cases of Lassa Fever by State, Nigeria, week 22, 2019



Key points

- There were 62 suspected cases of Lassa fever from 25 LGAs in 13 States (Edo - 40, Ondo - 7, Ebonyi - 2, Bauchi - 2, Plateau - 1, Taraba - 1, Imo – 1, Kogi – 1, Enugu - 1, Rivers – 1, Oyo – 1, Kebbi – 2 & Zamfara - 2). Three cases from Edo and Zamfara States were laboratory confirmed 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
- LF National Environmental Response, coordinated by Federal Ministry of Environment (FMoEnv) in collaboration with NCDC and supported by WHO was conducted in Edo and Ondo States
- Response commodities were distributed across 36 States, FCT and treatment centers

Planned:

- Conduct State specific AAR meetings
- Support indigent patients with treatment cost through Basic Health Care Provision Funds
- Harmonisation of LF laboratory and surveillance data into one database platform is ongoing

Cerebrospinal Meningitis (CSM)

Week 22

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
9	0	0	State: 6 LGA: 8

Year to date (week 1 – 22)

Suspected cases		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
4121	1308	318	96	351	65	8.5%	5%

Figure 3: Number of suspected and confirmed cases of CSM, Nigeria, week 1 – 22, 2019

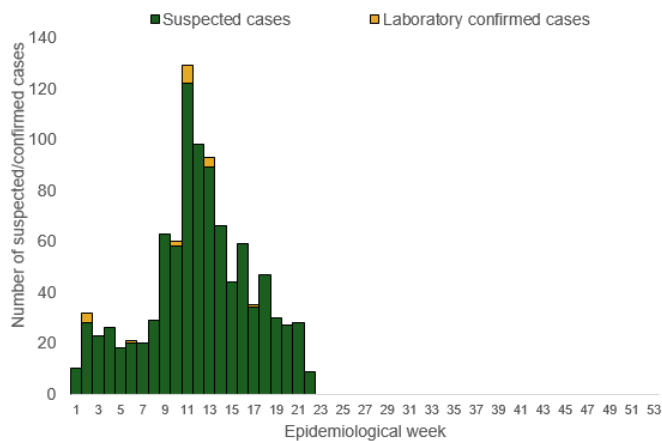
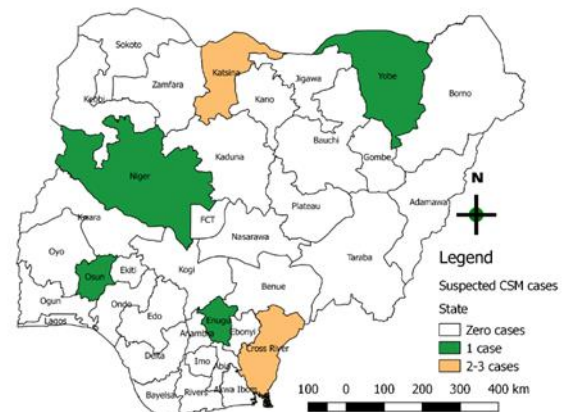


Figure 4: Location of suspected cases of CSM by State, Nigeria, week 22, 2019



Key points

- There were 9 suspected cases of Cerebrospinal Meningitis reported from eight LGAs in six States (Cross River – 2, Enugu – 1, Katsina – 3, Niger – 1, Osun – 1 & Yobe - 1). None was laboratory confirmed and no death was recorded
- Sabon Birni and Dange Shuni LGAs of Sokoto State crossed the alert threshold.

Actions

To date:

- The National CSM Emergency Operations Centre meets weekly to review the situation. There is decline in the number of cases

Planned:

- Intensify surveillance in all States by providing onsite/offsite support
- Continue 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 on the data management process

Yellow Fever

Week 22

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
79	0	0	State: 20 LGA: 48

Year to date (week 1 – 22)

Suspected cases		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
1045	1196	12	15	0	2	0%	0.2%

Figure 5: Number of suspected and confirmed cases of Yellow Fever, Nigeria, week 1 – 22, 2019

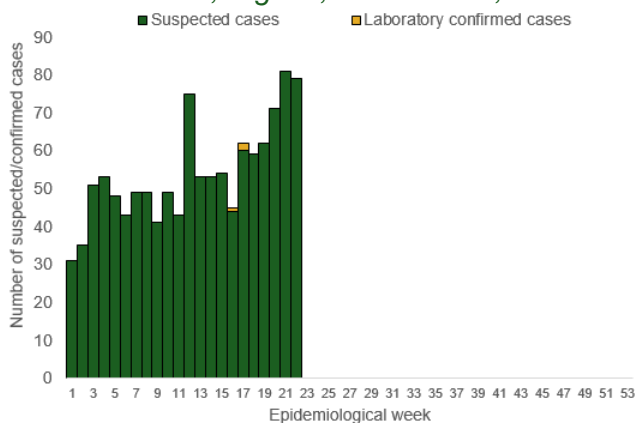
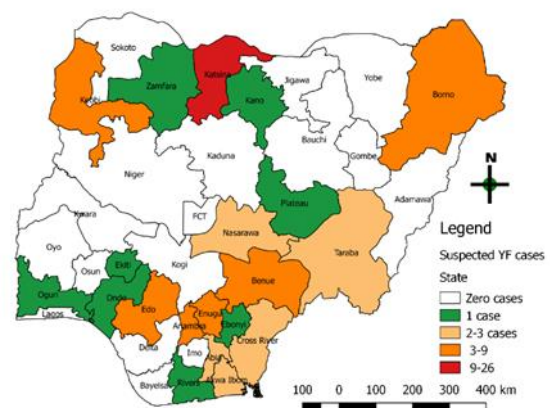


Figure 6: Location of suspected cases of Yellow Fever by State, Nigeria, week 22, 2019



Actions

To date:

- A multiagency YF TWG coordinates the response activities
- Offsite support is provided to all affected States
- YF surveillance is enhanced in all the States and harmonization of surveillance and laboratory data is on-going
- Yellow fever reactive vaccination campaigns ongoing in Edo (5 LGAs), Ondo (7 LGAs) And Delta (1 LGA) States
- The second draft of the YF National Guidelines on Preparedness and Response has been completed
- The post simulation exercise meeting held in Lagos from 10th – 11th June, 2019

Planned:

- The YF AAR meeting is scheduled for 18th -20th June 2019
- Follow up with the next steps on the YF Guidelines and Action plans

Cholera

Week 22

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
16	0	0	State: 1 LGA: 2

Year to date (week 1 – 22)

Suspected cases		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
12702	781	166	8	157	28	1.2%	3.6%

Figure 7: Number of suspected and confirmed cases of Cholera, Nigeria, week 1 – 22, 2019

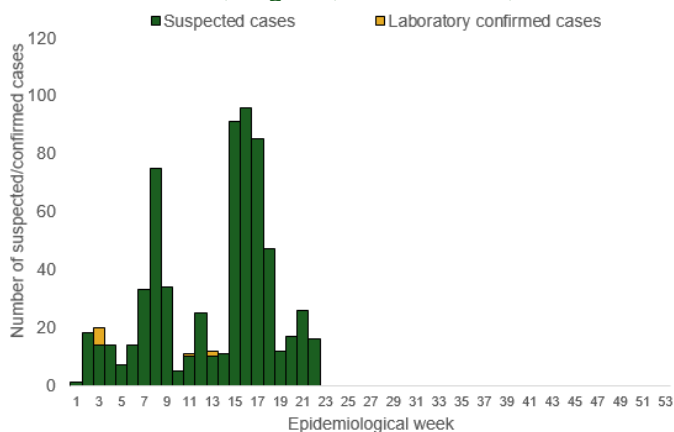
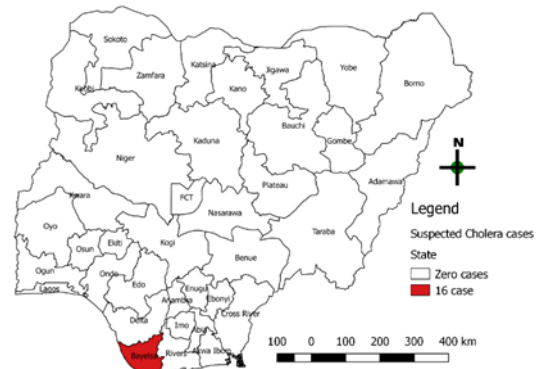


Figure 8: Location of suspected cases of Cholera by State, Nigeria, week 22, 2019



Key points

There were 16 suspected cases of cholera reported from Bayelsa State in two LGAs (Ogbia – 7 and Yenogoa - 9). 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
- 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 sensitisation on cholera has begun in Anambra and Benue States
- WaSH sector meeting by FMWR and partners

Planned:

- Continuous monitoring of cholera situation in all states
- Support states in cholera outbreak preparedness activities
- Print and disseminate IECs to all states
- Continuous collaboration with FMWR, FMoEnv and partners

Measles

Week 22

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
1088	2	1	State: 31 LGA: 159

Year to date (week 1 – 22)

Suspected cases		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
10774	33371	131	1492	94	98	0.9%	0.29%

Figure 11: Number of suspected and confirmed cases of Measles, Nigeria, week 1 – 22, 2019

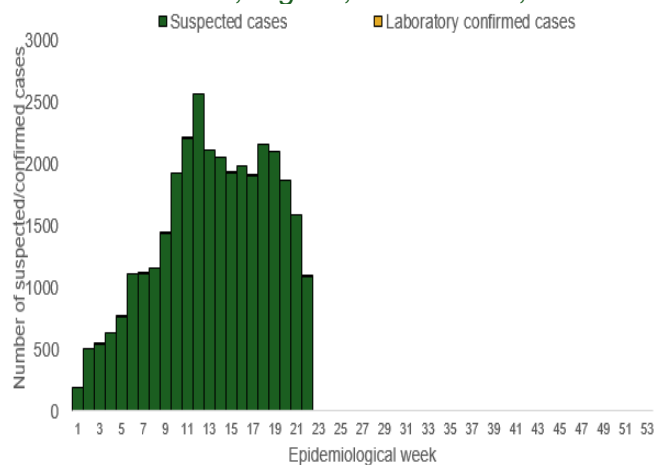
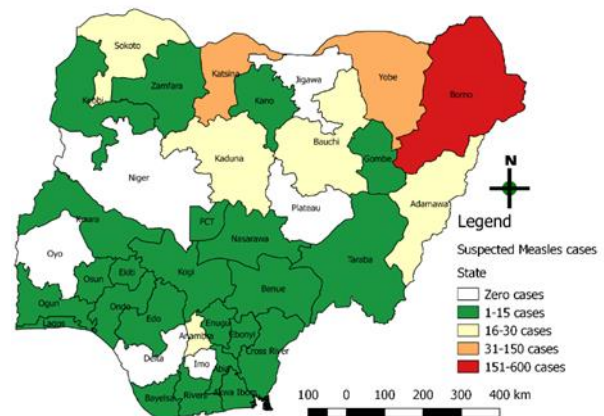


Figure 12: Location of suspected cases of Measles by State, Nigeria, week 22, 2019



Key points

- There were 1088 suspected cases reported from 30 States and FCT. Two cases were laboratory confirmed and one death was recorded

Actions

To date:

- The multi-agency National Measles EOC is monitoring and coordinating response activities across the States
- Measles reactive vaccination conducted in Borno State
- Teleconference with states with the highest burden of cases (Adamawa, Borno and Yobe)
- Media messages developed and disseminated across social and conventional media
- Case management guideline developed and disseminated

Planned:

- Teleconference next week with Borno, Yobe, Adamawa and Katsina to follow up on outbreak response activities
- Intensify surveillance and updating of line-list

Monkey pox

Week 22

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

Year to date (week 1 – 22)

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 1–22, 2019

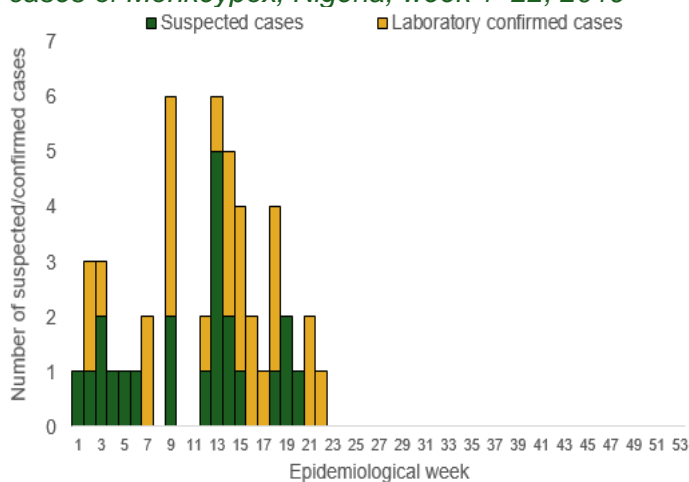


Figure 14: Location of confirmed cases of Monkeypox by State, Nigeria, week 22, 2019



Key points

- One new suspected case was reported from Ughelli North LGA in Delta state. The case was laboratory confirmed and no new death was recorded.

Actions

To date:

- Surveillance has been enhanced in all affected States

Planned:

- Supportive supervision visits to Bayelsa State

Acute Flaccid Paralysis (AFP)

Week 22

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
105	0	0	State: 29 LGA: 91

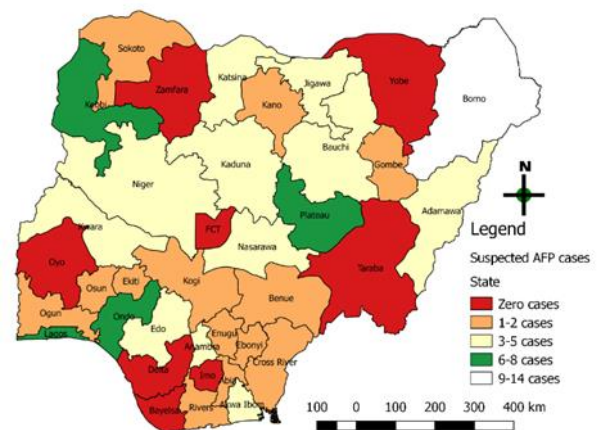
Year to date (week 1 – 22)

Suspected cases		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
3645	3000	0	0	0	0	0%	0%

Figure 15: Number of suspected and confirmed cases of AFP, Nigeria, week 1– 22, 2019



Figure 16: Location of suspected cases of AFP by State, Nigeria, week 22, 2019



Key points

- In the reporting week, 105 suspected cases of AFP were reported from 91 LGAs in 28 States and FCT
- As at 2nd June, 2019, no new case of WPV was recorded
- The last reported case of polio in Nigeria was in August 2016
- Three WPV₁ cases have been reported globally in week 22. Two in Pakistan and one in Afghanistan by the Global Polio Eradication Initiative.

Actions

Planned:

- Submission of complete documentation for polio certification shifted to March 2020
- Outbreak response to CVDPV outbreak scheduled in south-western states from 15 - 18 June, 2019

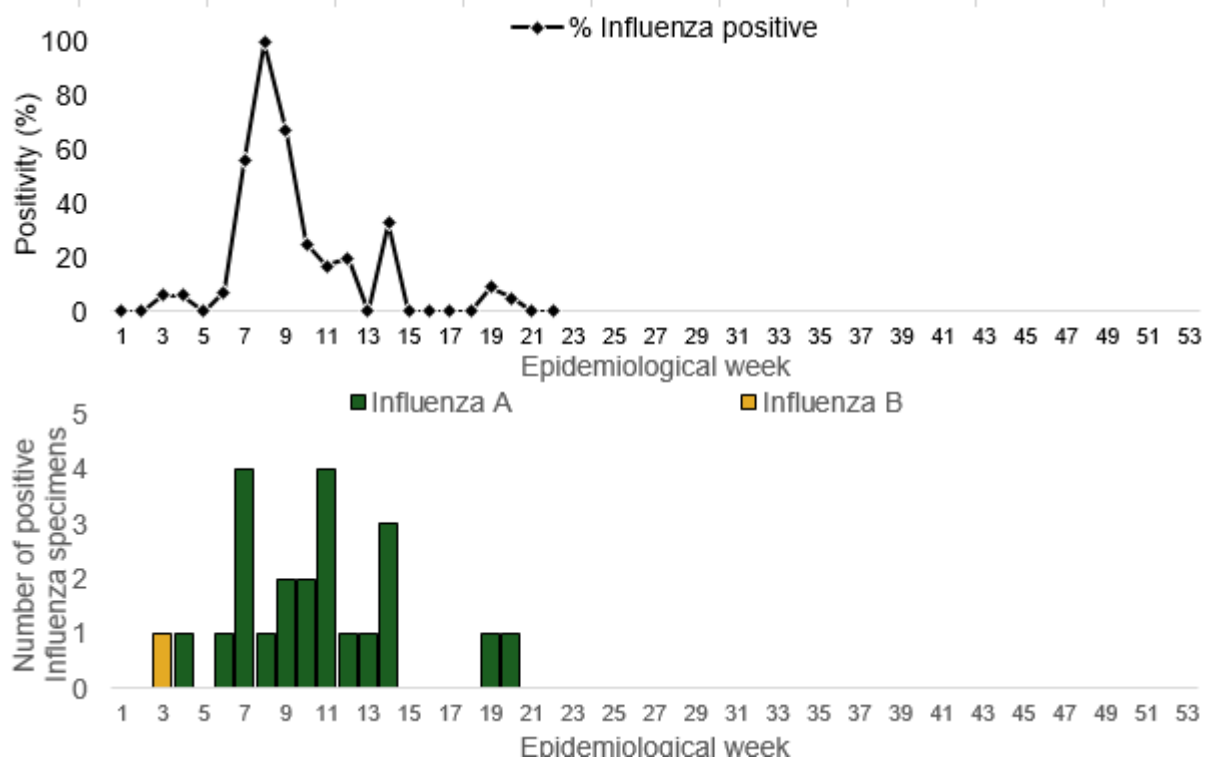
National Influenza Sentinel Surveillance

Year to date (week 1 – 22)

	Suspected cases	Suspected ILI	Suspected SARI
Number (Percentage)	201	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



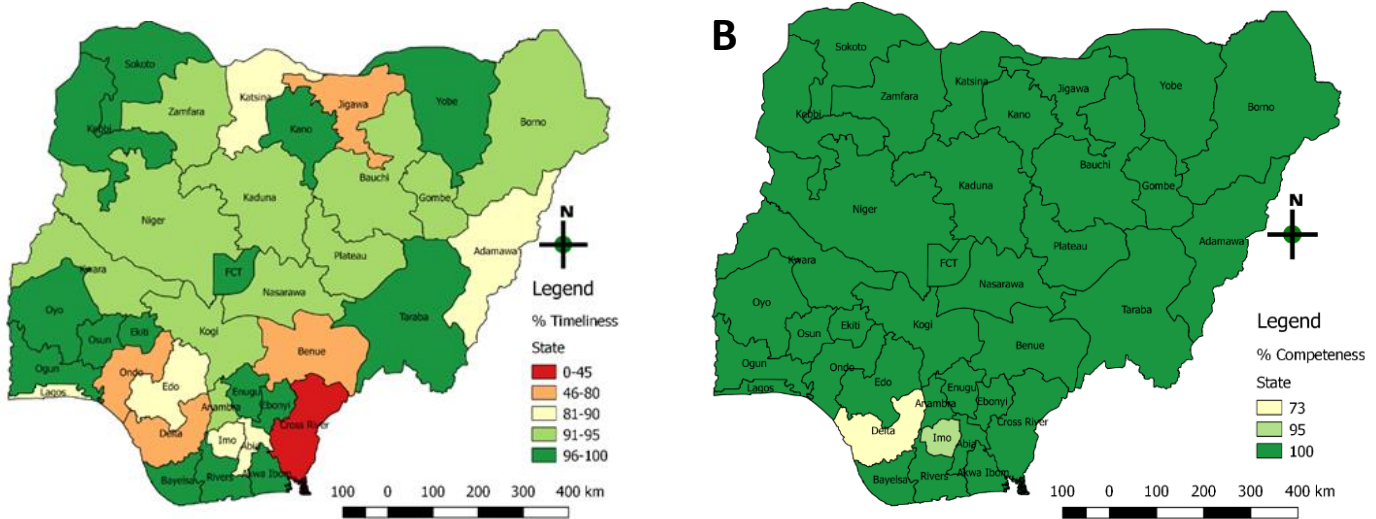
Key points

- 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 19 - 22, 2019)

Figure 18: A – Timeliness by State (%); B – Completeness by State (%), week 19 – 22, 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 19 – 22	Year to date Week 1 - 22
Reports sent on time	133	741
Reports sent late	11	66
Reports not received	4	7
Timeliness	89.9%	91%
Completeness	97.3%	99%

States with reports not received in 2019 (week 1 – 22)

State	Week(s) report not received
Delta	8, 10, 12, 20, 21 & 22
Imo	22

Timeliness and completeness of reports by state

Year to date (week 1 – 22)

State	Timeliness (%)	Completeness (%)
Abia	86	100
Adamawa	86	100
Akwa Ibom	100	100
Anambra	95	100
Bauchi	95	100
Bayelsa	100	100
Benue	55	100
Borno	95	100
Cross River	41	100
Delta	73	73
Ebonyi	100	100
Edo	86	100
Ekiti	100	100
Enugu	100	100
FCT	100	100
Gombe	95	100
Imo	86	95
Jigawa	77	100
Kaduna	95	100
Kano	100	100
Katsina	86	100
Kebbi	100	100
Kogi	91	100
Kwara	95	100
Lagos	86	100
Nasarawa	91	100
Niger	91	100
Ogun	100	100
Ondo	73	100
Osun	100	100
Oyo	100	100
Plateau	91	100
Rivers	100	100
Sokoto	100	100
Taraba	100	100
Yobe	100	100
Zamfara	95	100