



## Weekly Epidemiological Report

### Week 27: 1<sup>st</sup> – 7<sup>th</sup> July 2019

#### Highlight of the Week

#### Building a Strong Workforce for Public Health Emergency Management in Nigeria



In the last three years, the Nigeria Centre for Disease Control (NCDC) has responded to outbreaks of epidemic prone diseases, utilizing effective coordination through Emergency Operations Centres as one of our main strategies. In 2017, a national Public Health Emergency Operation Centre (PHEOC) was established as the NCDC Incident Coordination Centre (ICC). Using the principle of the incident management system, the ICC has been used to monitor signals and coordinate outbreak response.

In addition to the national ICC, NCDC has also supported 16 states in the establishment of state level PHEOCs. This project which began in 2018, is set to be complete by the end of the second quarter of 2020, in all states in Nigeria. The goal is to ensure that states have the capacity to manage the coordination of small outbreaks, with support from NCDC.

To build on the establishment of these centres, it is important that a workforce is developed with the requisite set of skills to manage EOCs. NCDC with the support of the US Centers for Disease Control, Pro Health International and the Walter Reed Programme held a five-day training on Public Health Emergency Management, from the 15<sup>th</sup> - 19<sup>th</sup> of July 2019. The **objectives of the training were to:**

1. Train incident managers, state epidemiologists and other focal persons on managing PHEOCs.
2. Provide a course on the fundamentals of PHEOC activations and deactivations.
3. Improve the understanding of the development of situation reports and risk communication.

Participants at the training included selected state epidemiologists from sixteen states, representatives of the Ministry of Defense, Port Health Services, Pro-Health International and also technical staff of NCDC. In addition to strengthening capacities of state epidemiologists and other attendees, the training provided an opportunity to strengthen our work in linking public health and security services.

An important aspect of disease preparedness is in developing and testing systems- either through simulation exercises or during outbreaks. Therefore, with this training provided and structures developed, NCDC will continue supporting and working with states, to ensure effective coordination of outbreak preparedness and response for national health security.

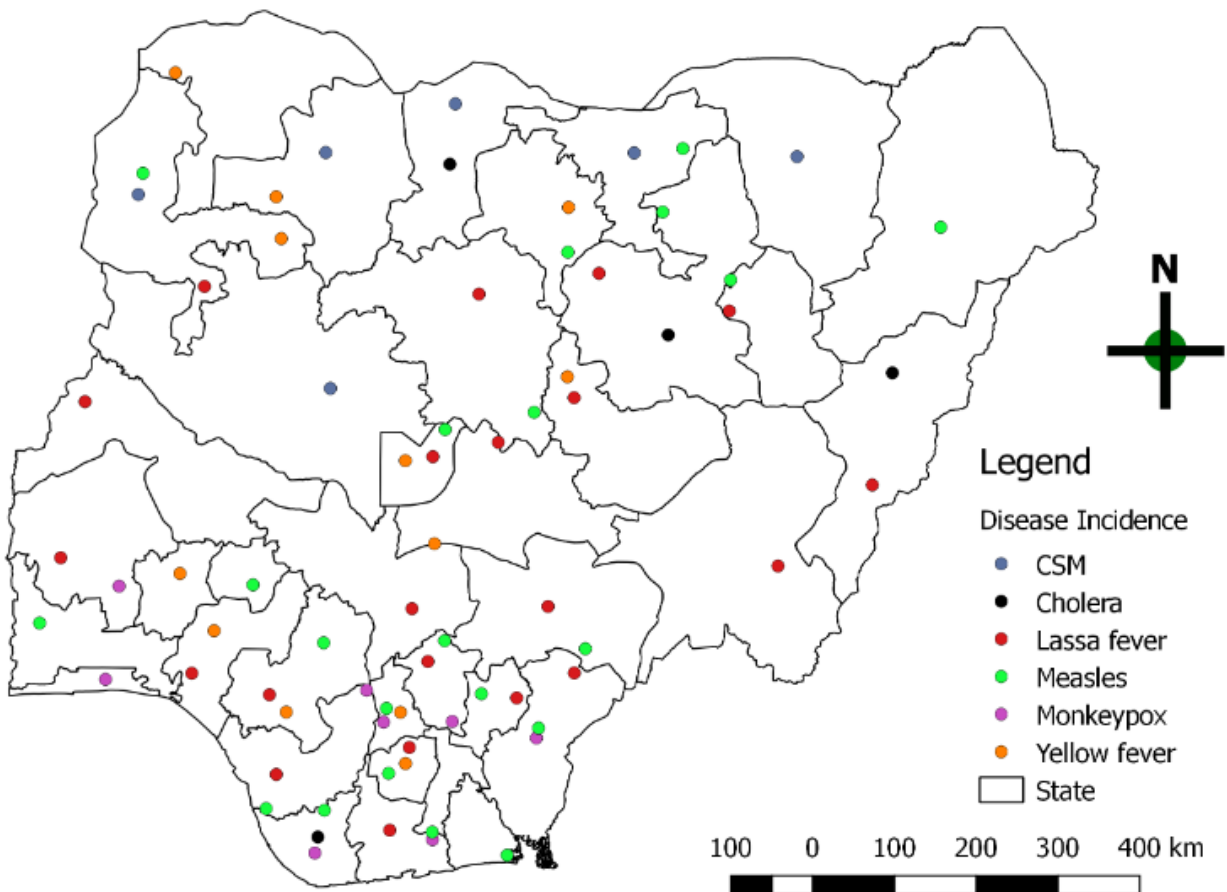
## Summary of Incidents

### 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 27: 1<sup>st</sup> – 7<sup>th</sup> July 2019

Lassa Fever<sub>1,2</sub>

Cerebrospinal  
Meningitis (CSM)<sub>3,4</sub>

Yellow Fever<sub>3,4</sub>

<b>78</b> Suspected cases <b>12</b> Confirmed case(s) <b>3</b> Death(s)	<b>26</b> Suspected cases <b>0</b> Confirmed cases <b>0</b> Death(s)	<b>57</b> Suspected cases <b>0</b> Confirmed cases <b>0</b> Death(s)
<b>Cholera<sub>3,4</sub></b>	<b>Measles<sub>3,4</sub></b>	<b>Monkeypox<sub>1,4</sub></b>
<b>82</b> Suspected cases <b>36</b> Confirmed cases <b>1</b> Death(s)	<b>633</b> Suspected cases <b>0</b> Confirmed cases <b>6</b> Death(s)	<b>1</b> Suspected case(s) <b>0</b> Confirmed cases <b>0</b> Death(s)
<b>Acute Flaccid Paralysis (AFP)<sub>3,4</sub></b>	<b>National Sentinel influenza surveillance<sub>5</sub></b>	
<b>128</b> Suspected cases <b>0</b> Confirmed Polio	<b>13</b> Suspected cases <b>9</b> Confirmed cases	

Timeliness of reports <sub>3</sub>	Completeness of reports <sub>3</sub>
<b>81.8%</b> Last 4 weeks <b>89%</b> Year to date	<b>95.6%</b> Last 4 weeks <b>99%</b> 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 27

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected

78	12	3	State: 8 LGA: 17
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**Year to date (week 1 – 27)**

Suspected cases		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
2115	2959	453	615	115	139	25.4%	22.6%

Figure 1: Number of suspected and confirmed cases of Lassa Fever, Nigeria, week 1 – 27, 2019

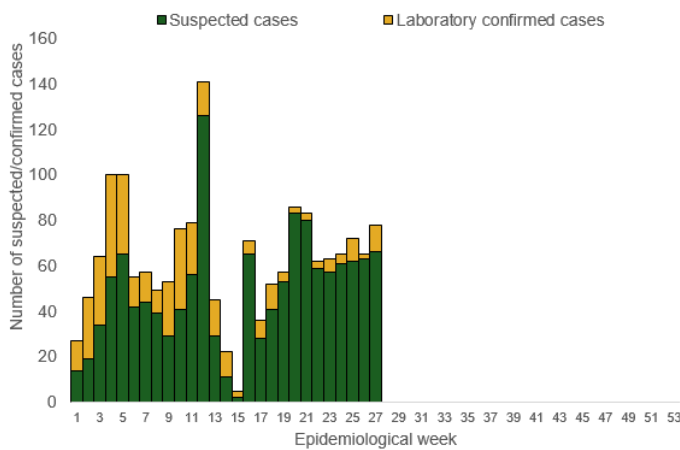
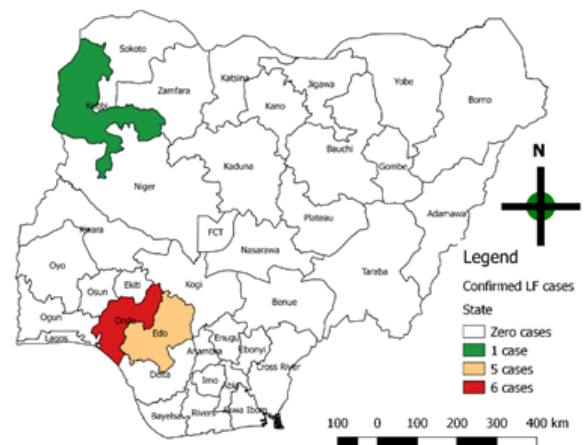


Figure 2: Location of **confirmed** cases of Lassa Fever by state, Nigeria, week 27, 2019



**Key points**

- There were 78 suspected cases of Lassa Fever reported from 17 LGAs in eight States (Edo - 40, Ondo - 16, Ebonyi - 7, Plateau - 9, Gombe – 1, Enugu – 1, Kebbi – 3 & Cross River - 1). Twelve cases were laboratory confirmed and three deaths were recorded.

**Actions**

**To date:**

- National LF multi-partner, multi-sectoral Technical Working Group (TWG) continues to coordinate the response activities at all levels
- Conducted Psychosocial Support Guideline Development workshop
- Mortality review of deaths

**Planned:**

- Support indigent patients with treatment cost through Basic Health Care Provision Funds
- Harmonisation of LF laboratory and surveillance data into one database
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**Cerebrospinal Meningitis (CSM)**

**Week 27**

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected

26	0	0	State: 11 LGA: 14
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**Year to date (week 1 – 27)**

Suspected cases		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
4185	1461	318	101	352	74	8.4%	5.1%

Figure 3: Number of suspected and confirmed cases of CSM, Nigeria, week 1 – 27, 2019

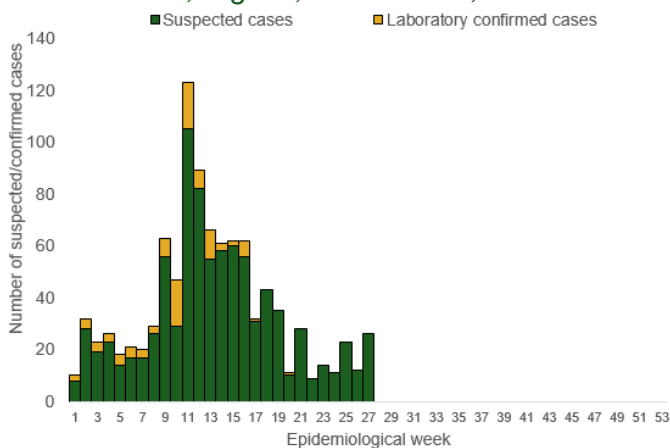
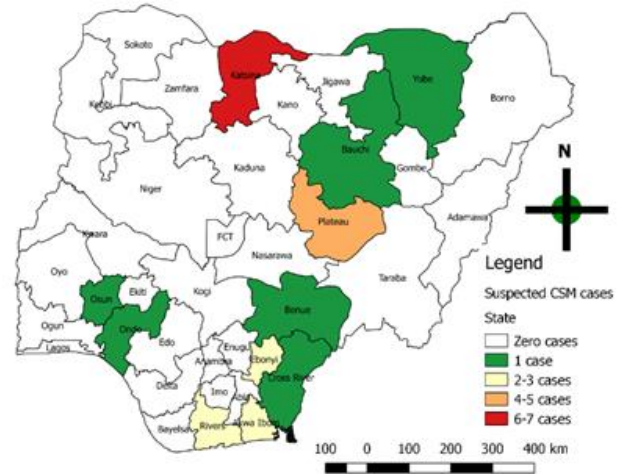


Figure 4: Location of suspected cases of CSM by State, Nigeria, week 27, 2019



**Key points**

- There were 26 suspected cases of Cerebrospinal Meningitis reported from 14 LGAs in 11 states (Akwa Ibom – 3, Bauchi – 1, Benue – 1, Cross River – 1, Ebonyi – 3, Katsina – 7, Ondo – 1, Osun – 1, Plateau – 5, Rivers – 2, Yobe - 1). None was laboratory confirmed and no deaths were recorded.

**Actions**

**To date:**

- The National CSM TWG meets weekly to review reports from states and plan appropriately
- Harmonisation of SORMAS, national and laboratory line lists
- Training of Cross River State on case and data management

**Planned:**

- Development of final outbreak report

**Yellow Fever**

**Week 27**

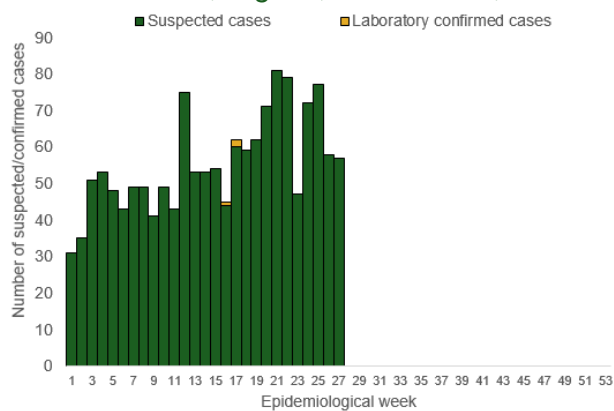
Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected

57	0	0	State: 17 LGA: 45
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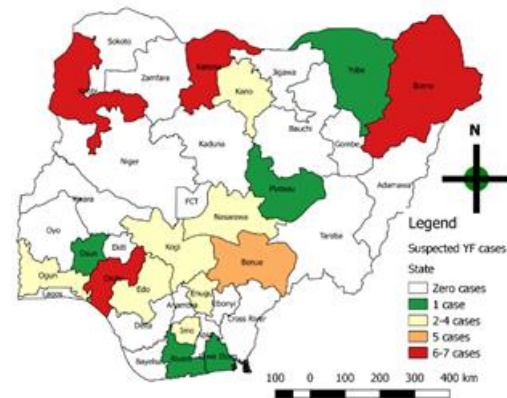
**Year to date (week 1 – 27)**

Suspected cases		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
1291	1521	12	15	0	2	0%	0.1%

*Figure 5: Number of suspected and confirmed cases of Yellow Fever, Nigeria, week 1 – 27, 2019*



*Figure 6: Location of suspected cases of Yellow Fever by State, Nigeria, week 27, 2019*



**Actions**

**To date:**

- The multiagency YF TWG is coordinating national response activities
- On-site support provided by NCDC Rapid Response Teams (RRTs) to Kogi, Katsina, Nasarawa, Abia, Imo and Osun States
- Third draft of YF National Guideline on Preparedness and Response completed

**Planned:**

- Finalise the YF Action Plan for 2019 -2021
- Develop risk communications assessment plan
- Train state surveillance teams on YF surveillance, reporting and documentation
- Operationalisation of the three new laboratories added to the YF Laboratory Network
- Finalise draft of the national YF guidelines

**Cholera**

**Week 27**

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
82	36	1	State: 3 LGA: 9



Suspected cases		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
19220	1473	313	76	314	36	1.6%	2.4%

Figure 7: Number of suspected and confirmed cases of Cholera, Nigeria, week 1 – 27, 2019

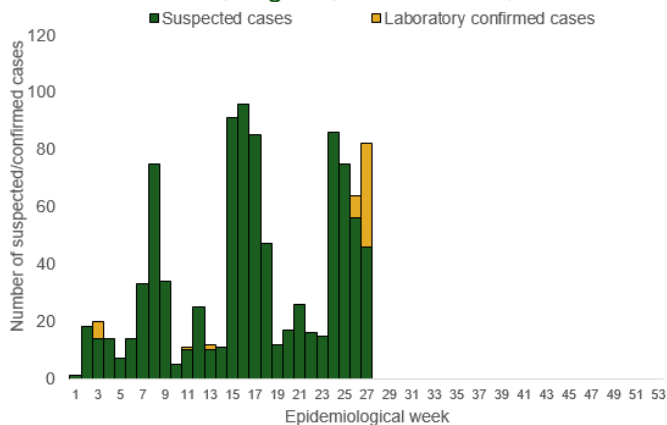
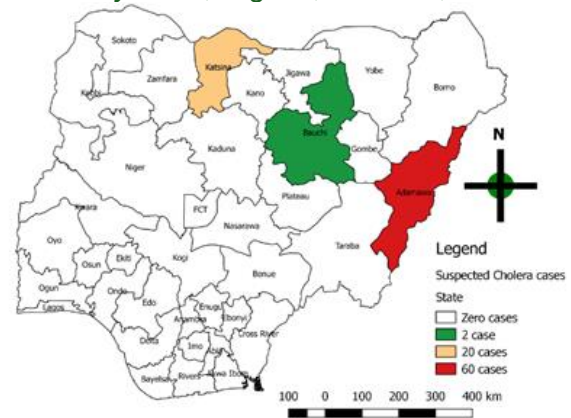


Figure 8: Location of suspected cases of Cholera by State, Nigeria, week 27, 2019



## Key points

There were 82 suspected cases of Cholera reported from nine LGAs in three states (Adamawa – 60, Bauchi - 2 & Katsina - 20). Thirty-six cases were laboratory confirmed and one death was 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 leading response to cases in the state
- Rapid Diagnostic Test kits (RDTs) distributed to all LGA DSNOs and health facilities in high risk areas
- Technical Working Group members with a team from John Hopkins universities visited four states to conduct training on use of measles RDTs

### Planned:

- Follow up with states to ensure continued vigilance and early reporting
- Conduct state level training on sample management and RDT testing for other high priority states
- Conduct community sensitisation across all LGAs of Adamawa State

## Measles

### Week 27

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
633	0	6	State: 30

			<b>LGA: 155</b>
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**Year to date (week 1 – 27)**

Suspected cases		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
12012	37266	14	48	94	119	0.8%	0.3%

Figure 11: Number of suspected and confirmed cases of Measles, Nigeria, week 1 – 27, 2019

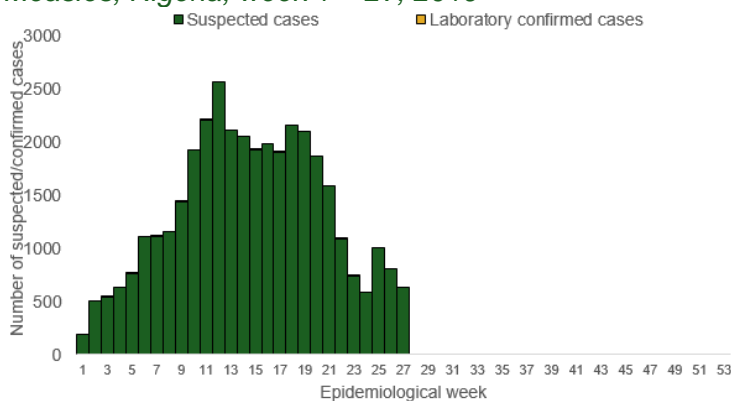
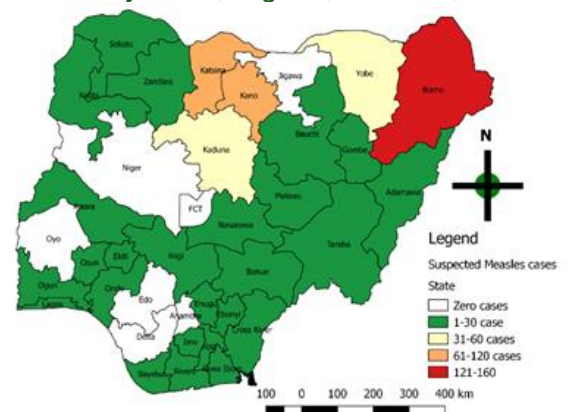


Figure 12: Location of suspected cases of Measles by State, Nigeria, week 27, 2019



**Key points**

- There were 633 suspected cases reported from 30 States. None was laboratory confirmed and six deaths were recorded

**Actions**

**To date:**

- The multi-agency National Measles TWG is monitoring and coordinating response activities across the States
- TWG is working closely with NPHCDA, National Measles Technical Coordination Committee towards the upcoming Measles SIA (Supplementary Immunisation Activity) and introduction of second dose of Measles vaccination
- Conducted a planning meeting for AAR and measles guideline review meeting
- Travel advisory on measles outbreak shared across different media platforms

**Planned:**

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

**Monkeypox**

**Week 27**

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



			<b>LGA: 1</b>
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**Year to date (week 1 – 27)**

Suspected case s		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
58	52	29	26	1	1	1.8%	2%

Figure 13: Number of suspected and confirmed cases of Monkeypox, Nigeria, week 1–27, 2019

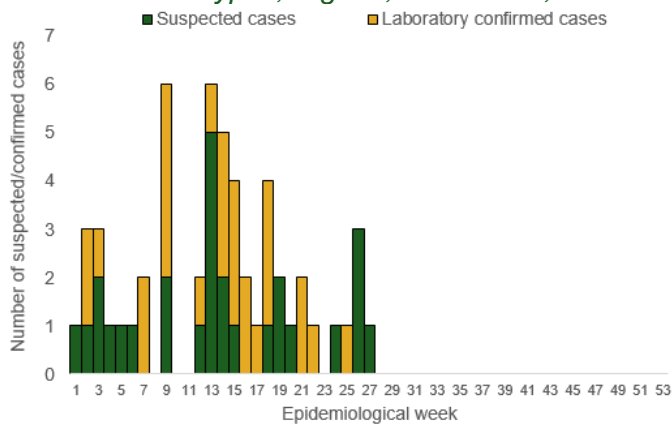


Figure 14: Location of suspected cases of Monkeypox by State, Nigeria, week 27, 2019



**Key points**

- There was one confirmed case of monkeypox reported from Enugu State.

**Actions**

**To date:**

- Surveillance has been enhanced in all affected states
- Offsite support given to affected states
- Investigation of confirmed cases in Mushin LGA, Lagos State is ongoing

**Planned:**

- Regional Monkeypox Surveillance Training to be conducted in South-East and South-South Zones

**Acute Flaccid Paralysis (AFP)**

**Week 27**

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
128	0	0	State: 29

			<b>LGA: 107</b>
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**Year to date (week 1 – 27)**

Suspected cases		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
4450	3668	0	0	0	0	0%	0%

Figure 15: Number of suspected and confirmed cases of AFP, Nigeria, week 1– 27, 2019

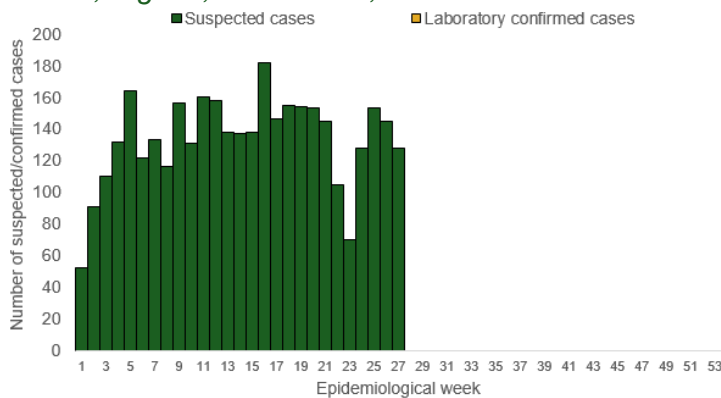
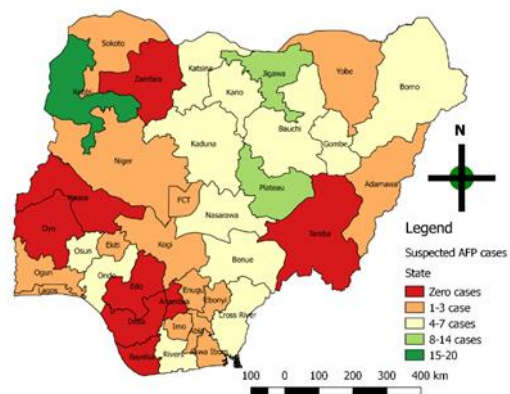


Figure 16: Location of suspected cases of AFP by State, Nigeria, week 27, 2019



**Key points**

- In the reporting week, 128 suspected cases of AFP were reported from 107 LGAs in 28 States and FCT

**Actions**

**Planned:**

- Complete documentation for certification presentation to NCC for review from 5th – 9th August 2019
- NIPD phase 1 proposed for 13th – 16th July 2019 is 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**

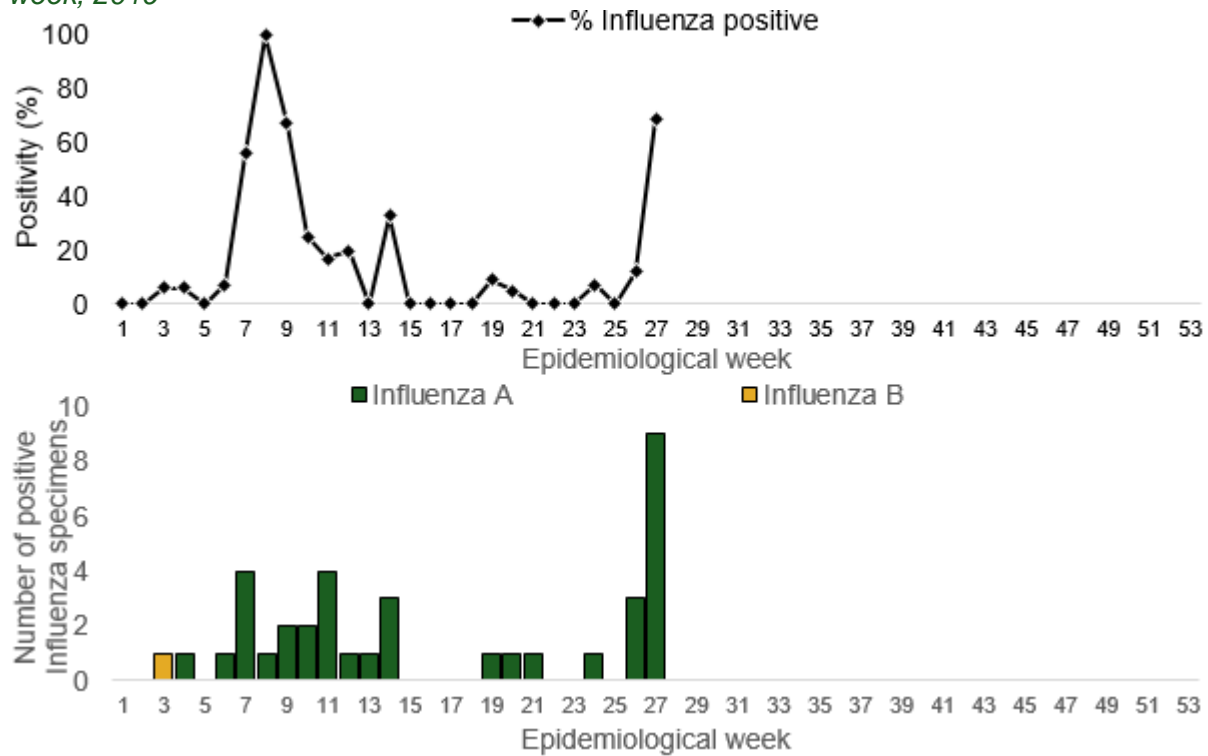
**Year to date (week 1 – 27)**

	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%

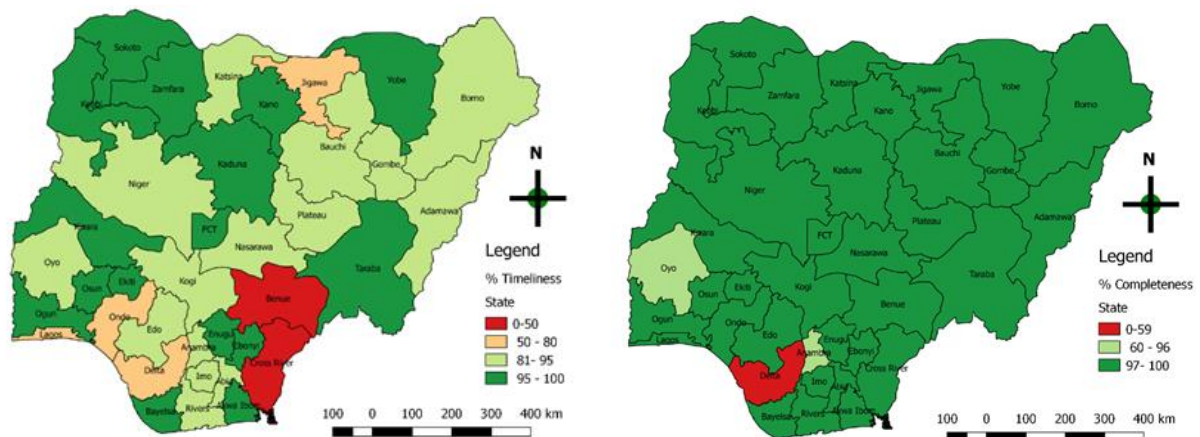
Figure 17: Number of influenza positive specimens by type and percent positive by epidemiological week, 2019



## Timeliness and Completeness of Reports

### Last 4 weeks (week 24 - 27, 2019)

Figure 18: A – Timeliness by State (%); B – Completeness by State (%), week 24 – 27, 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**

<b>Nigeria Total Reports</b>	<b>Last 4 weeks Week 24– 27</b>	<b>Year to date Week 1- 27</b>
Reports sent on time	131	999
Reports sent late	21	98
Reports not received	6	13
Timeliness	81.8%	89%
Completeness	95.6%	99%

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

<b>State</b>	<b>Week(s) report not received</b>
Anambra	27
Delta	8, 10, 12, 20, 21, 22,23, 24, 25, 26, 27
Oyo	27

**Timeliness and Completeness of Reports by State**

**Year to date (week 1 – 27)**

<b>State</b>	<b>Timeliness (%)</b>	<b>Completeness (%)</b>
Abia	85	100
Adamawa	85	100
Akwa Ibom	96	100
Anambra	89	96
Bauchi	89	100
Bayelsa	100	100
Benue	48	100
Borno	89	100
Cross River	41	100
Delta	59	59
Ebonyi	96	100
Edo	85	100
Ekiti	100	100
Enugu	100	100
FCT	100	100
Gombe	93	100

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Epidemiological  
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Imo	89	100
Jigawa	78	100
Kaduna	96	100
Kano	100	100
Katsina	85	100
Kebbi	96	100
Kogi	89	100
Kwara	96	100
Lagos	81	100
Nasarawa	93	100
Niger	89	100
Ogun	100	100
Ondo	74	100
Osun	100	100
Oyo	89	96
Plateau	89	100
Rivers	93	100
Sokoto	100	100
Taraba	100	100
Yobe	100	100
Zamfara	96	100