



Nigeria Centre for Disease Control
Protecting the health of Nigerians

Weekly Epidemiological Report

Week 51: 16th – 22nd December 2019

Highlight of the Week

2019 in review: 10 highlights for the Nigeria Centre for Disease Control



In 2019, Nigeria experienced outbreaks of epidemic prone diseases including Lassa fever, yellow fever, cholera, measles and monkeypox. The Nigeria Centre for Disease Control (NCDC) deployed 25 Rapid Response Teams (RRTs) to 14 states throughout the year.

In addition to supporting outbreak response activities, we carried out significant activities to strengthen the capacity for outbreak prevention, preparedness, detection and response in Nigeria. ***This week's editorial provides a summary of ten major highlights in the year 2019.***

These are:

1. Expanded the establishment of State Public Health Emergency Operations Centres to 22 states in Nigeria
2. Expanded the roll out of Surveillance Outbreak Response Management Analysis System (SORMAS) for case-based digital surveillance to 17 states
3. Introduced genetic sequencing capacity at the NCDC National Reference Laboratory with ongoing research activities
4. Carried out a mid-term Joint External Evaluation of International Health Regulations (IHR)
5. Increased government ownership of the Nigeria Field Epidemiology and Laboratory programme
6. Reviewed and updated the Integrated Disease Surveillance and Response national guidelines
7. Trained Rapid Response Teams in all States in Nigeria
8. Established a new national infection prevention and control programme
9. Developed 'Strengthening States for Health Security' strategy, to support health security strengthening across states in Nigeria
10. Strengthened partnerships with local, regional and global institutions

Health security brings essential expertise to public health and overall, health system strengthening efforts. The Nigeria Centre for Disease Control remains committed to its mandate to protect the health of Nigerians and contribute to a stronger Nigeria.

The NCDC urges Nigerians to take more actions to protect their health by ensuring they are vaccinated against infectious diseases, maintain clean environment, avoid self-medication and stay informed on how to prevent the spread of infectious diseases.

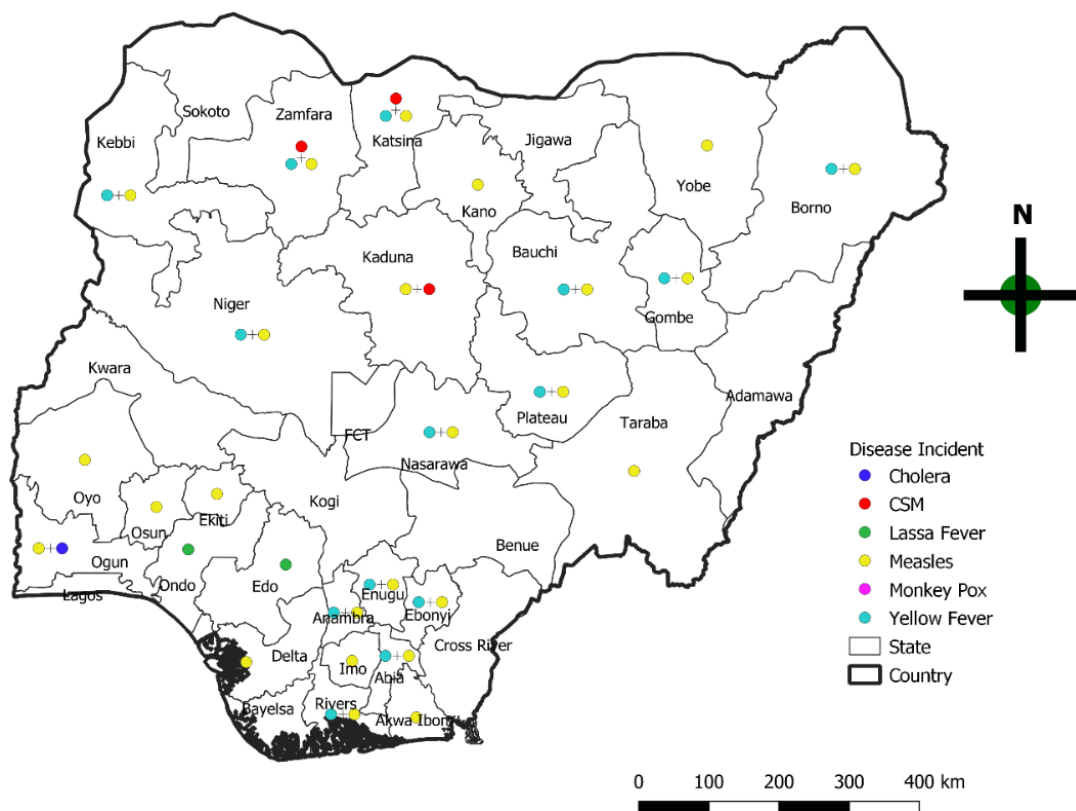
Summary of Incidents

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 51: 16th – 22nd December 2019

Lassa Fever_{1,2}	Cerebrospinal Meningitis (CSM)_{3,4}	Yellow Fever_{3,4}
75 Suspected cases	8 Suspected cases	42 Suspected cases
7 Confirmed case(s)	0 Confirmed cases	0 Confirmed cases
3 Death(s)	0 Death(s)	0 Death(s)
Cholera_{3,4}	Measles_{3,4}	Monkeypox_{1,4}
0 Suspected cases	222 Suspected cases	0 Suspected case(s)
0 Confirmed cases	0 Confirmed cases	0 Confirmed cases
0 Death(s)	0 Death(s)	0 Death(s)
Acute Flaccid Paralysis (AFP)_{3,4}	National Sentinel influenza surveillance₅	
97 Suspected cases	0 Suspected cases	
0 Confirmed Polio	0 Confirmed cases	

Timeliness of reports₃	Completeness of reports₃
92.6% Last 4 weeks	98% Last 4 weeks
89% Year to date	100% Year to date

Notes

- Information for this disease was retrieved from the Technical Working Group and Situation Reports
- Case Fatality Rate (CFR) for this disease is reported for confirmed cases only
- Information for this disease was retrieved from IDSR 002 data
- CFR for this disease is reported for total cases i.e. suspected + confirmed
- Information for sentinel influenza was retrieved from the laboratory

Lassa Fever

Week 51

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
75	7	3	State: 4 LGA: 12

Year to date (week 1 – 51)

Suspected cases	Confirmed cases	Deaths	CFR
2018 2019	2018 2019	2018 2019	2018 2019
3441 4967	611 817	166 170	27.2% 20.8%

Figure 1: Number of suspected and confirmed cases of Lassa Fever, Nigeria, Week 1 – 51, 2019

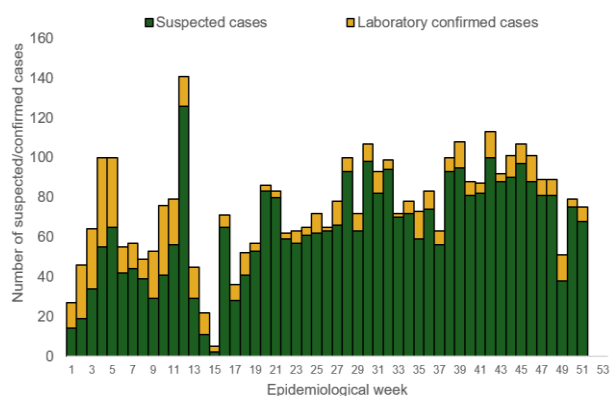
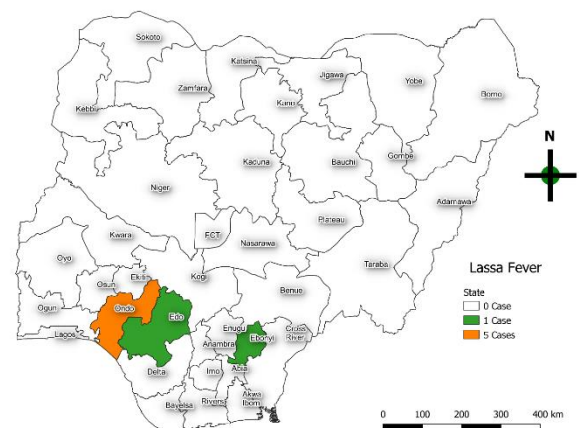


Figure 2: Location of **confirmed** cases of Lassa Fever by state, Nigeria, week 51, 2019



Key points

- There were 75 suspected cases of Lassa Fever (LF) reported from 12 LGAs in four states (Edo – 33, Ondo – 25, Ebonyi – 12 & Delta – 5). There were seven confirmed cases and three deaths were recorded in Ondo state.

Actions

To date:

- National Lassa Fever multi-sectoral Technical Working Group (TWG) continues to coordinate response activities and support states
- Engaged contact tracers in hot spot and high burden states
- Reviewed LF case management and surveillance tools, and SOPs

Planned:

- Finalise advocacy packages for National and subnational policy/decision makers
- Finalise the Lassa fever five -year strategic plan

Cerebrospinal Meningitis (CSM)

Week 51

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
8	0	0	State: 3 LGA: 4

Year to date (week 1 – 51)

Suspected cases		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
4504	2095	318	126	363	103	8.1%	4.9%

Figure 3: Number of suspected and confirmed cases of CSM, Nigeria, week 1 – 51, 2019

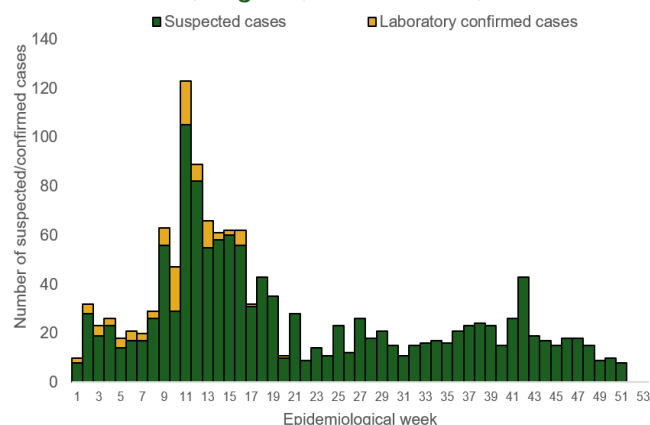
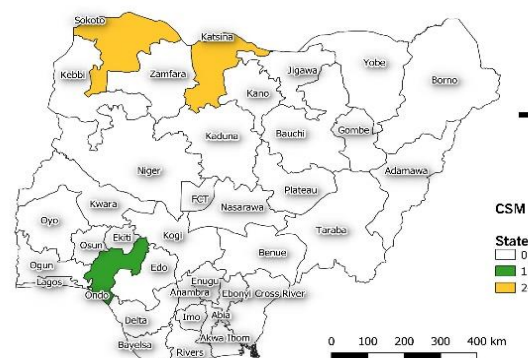


Figure 4: Location of suspected cases of CSM by State, Nigeria, week 51, 2019



Key points

There were eight suspected cases of Cerebrospinal Meningitis (CSM) reported from four LGAs in three states (Katsina – 4, Ondo – 1 & Sokoto – 3). None was laboratory confirmed and no death was recorded

Actions

To date:

- National CSM Technical Working Group (TWG) meets weekly to review reports from states and plan appropriately
- Enhanced surveillance in all states (with focus on high risk states)
- Developed 2019/2020 CSM preparedness and response plan

Planned:

- Continue harmonisation of the national line list and SORMAS data

Yellow Fever

Week 51

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
42	0	0	State: 11 LGA: 28

Year to date (week 1 – 51)

Suspected cases		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
2705	3453	7	11	2	47	0.1%	1.4%

Figure 5: Number of suspected and confirmed cases of Yellow Fever, Nigeria, week 1 – 51, 2019

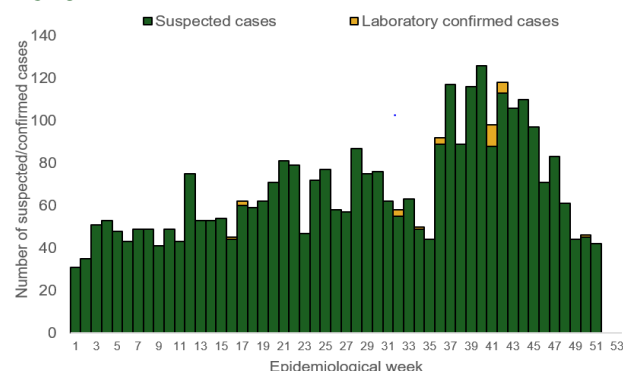
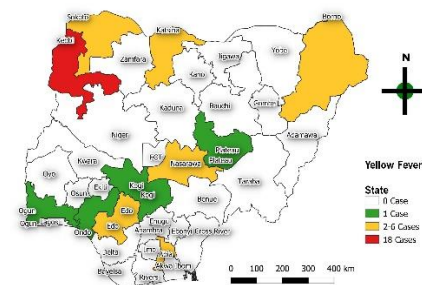


Figure 6: Location of suspected cases of Yellow Fever by State, Nigeria, week 51, 2019



Key points

- There were 42 suspected cases of Yellow Fever (YF) reported from 28 LGAs in 11 states. None was laboratory confirmed and no death was recorded

Actions

To date:

- National Yellow Fever (YF) Technical Working Group continues to coordinate response activities
- National Rapid Response Team (RRT) deployed to Bauchi, Benue and Katsina states

Planned:

- Follow up on outcome of ICG request

Cholera

Week 51

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

Year to date (week 1 – 51)

Suspected cases		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
50711	3504	956	595	1135	71	2.2%	2.0%

Figure 7: Number of suspected and confirmed cases of Cholera, Nigeria, week 1 – 51, 2019

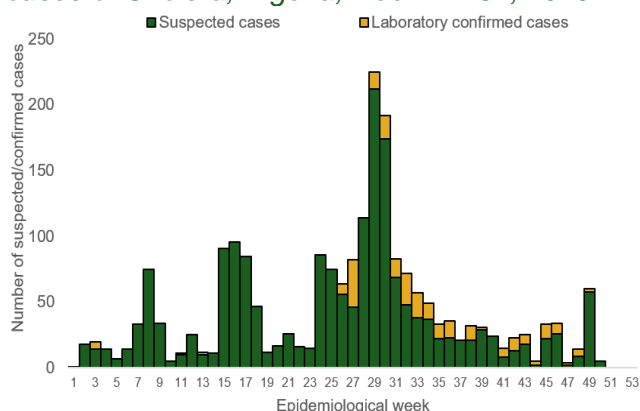
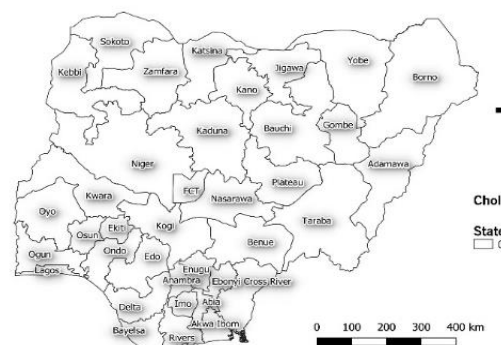


Figure 8: Location of suspected cases of Cholera by State, Nigeria, week 51, 2019



Key points

- There were no suspected cases of cholera reported this week

Actions

To date

- National cholera multi-sectoral Technical Working Group (TWG) is monitoring all states and supporting already affected states

Planned:

- Ensure that reporting states conduct rapid diagnostic test/culture test and send line-list of all reported cases to the national level

Measles

Week 51

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
222	0	0	State: 25 LGA: 92

Year to date (week 1 – 51)

Suspected cases		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
17184	61670	22	2363	128	288	0.7%	0.5%

Figure 11: Number of suspected and confirmed cases of Measles, Nigeria, week 1 – 51, 2019

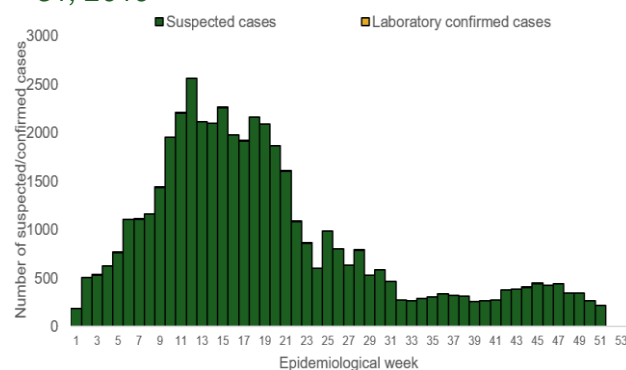
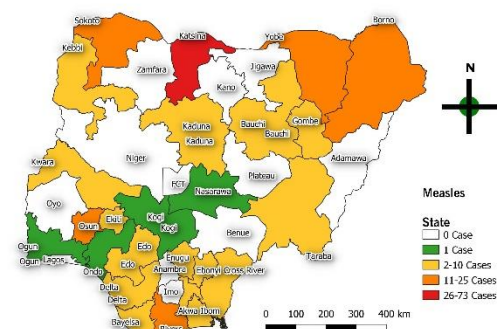


Figure 12: Location of suspected cases of Measles by State, Nigeria, week 51, 2019



Key points

- There were 222 suspected cases of measles reported from 92 LGAs in 25 states. None was laboratory confirmed and no death was recorded

Actions To date

- National measles Technical Working Group (TWG) is closely monitoring surveillance data and response activities across the country

Planned:

- Continue the review of measles surveillance data across the country
- Finalise measles surveillance guideline
- Review implementation of sentinel sites for Congenital Rubella Syndrome in Nigeria

Monkeypox

Week 51

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

Year to date (week 1 – 51)

Suspected cases	Confirmed cases	Deaths	CFR
2018 2019	2018 2019	2018 2019	2018 2019
114 116	48 44	1 2	0.9% 1.7%

Figure 13: Number of suspected and confirmed cases of Monkeypox, Nigeria, week 1–51, 2019

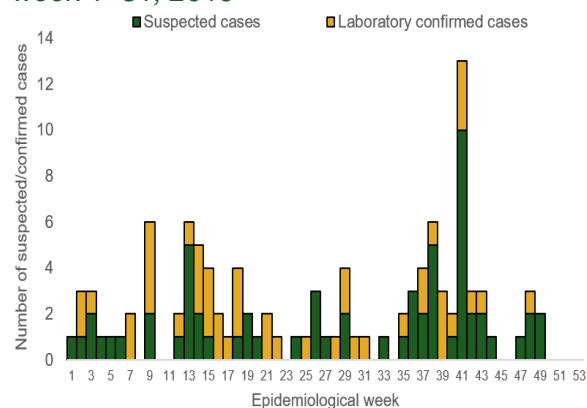
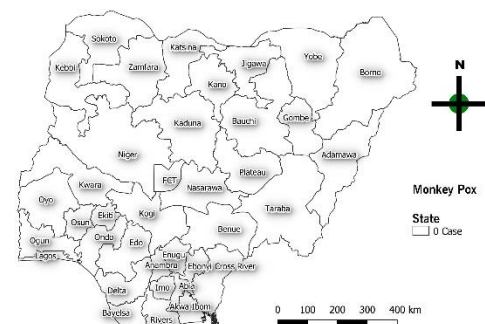


Figure 14: Location of suspected cases of Monkeypox by State, Nigeria, week 51, 2019



Key points

- There were no suspected cases of monkeypox reported this week

Actions

- National Monkeypox Technical Working Group (TWG) is monitoring activities in all states
- Off-site support to affected states

Planned:

- Enhance surveillance for Monkeypox in high burden states, working with the animal health colleagues.

Acute Flaccid Paralysis (AFP)

Week 51

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
97	0	0	State: 28 + FCT LGA: 79

Year to date (week 1 – 51)

Suspected cases		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
8511	6269	0	0	0	0	0%	0%

Figure 15: Number of suspected and confirmed cases of AFP, Nigeria, week 1– 51, 2019

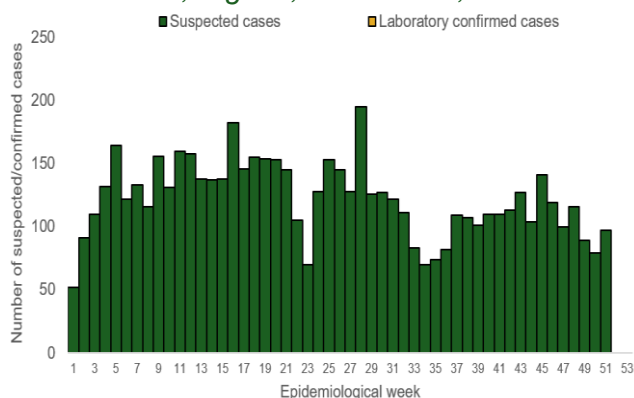
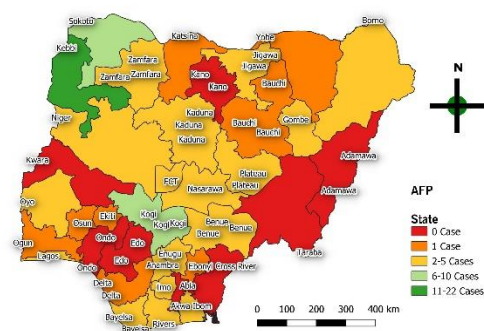


Figure 16: Location of suspected cases of AFP by State, Nigeria, week 51, 2019



Key points

- There were 97 suspected cases of AFP reported from 79 LGAs in 28 states and FCT. None was laboratory confirmed and no death was recorded

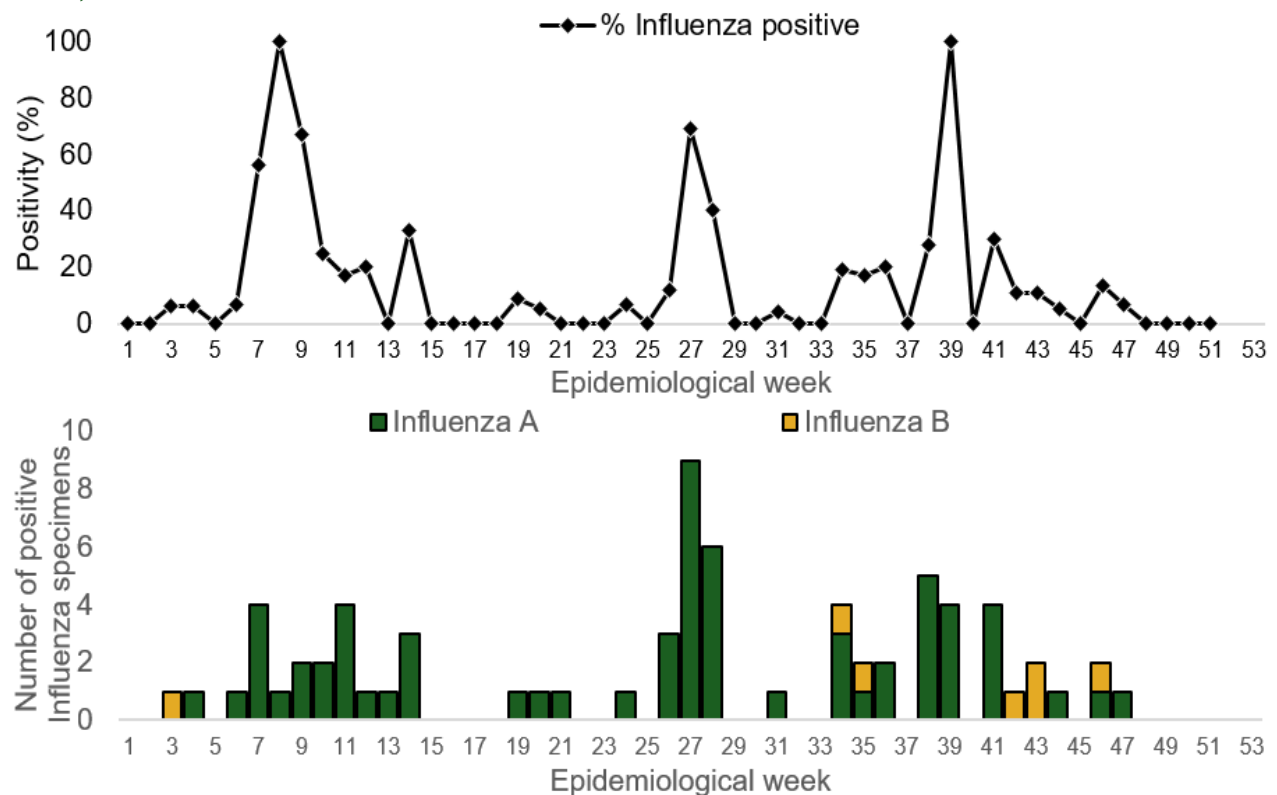
National Influenza Sentinel Surveillance

Year to date (week 1 – 51)

	Suspected cases	Suspected ILI	Suspected SARI
Number (Percentage)	593	535 (90.2%)	58 (9.8%)

	Confirmed cases		Confirmed ILI		Confirmed SARI	
	Influenza A	Influenza B	Influenza A	Influenza B	Influenza A	Influenza B
Number	69	13	64	11	5	2
Positivity (%)	83.1%	1.6%	12.0%	2.1%	8.6%	3.4%

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



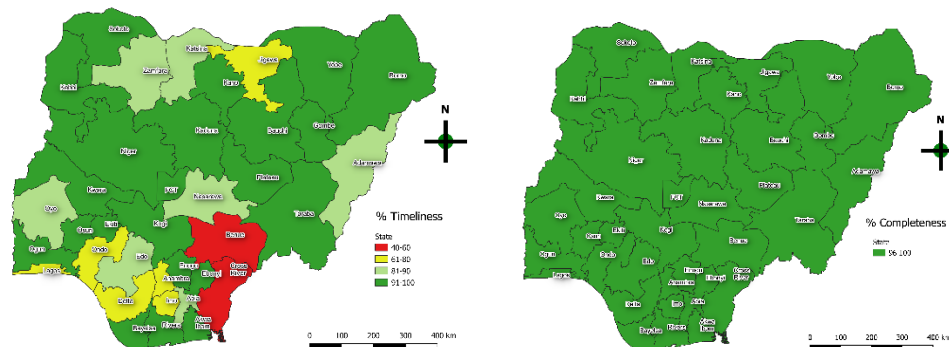
Key points

There were 82 processed samples positive for influenza, with 68 for influenza A, 13 for influenza B and 1 for influenza A & B

Timeliness and Completeness of Reports

Last 4 weeks (week 48 - 51, 2019)

Figure 18: A – Timeliness by State (%); B – Completeness by State (%), week 48 – 51, 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 48 – 51	Year to date Week 1- 51
Reports sent on time	137	1673
Reports sent late	8	209
Reports not received	3	5
Timeliness	92.6%	89%
Completeness	98%	100%

States with reports not received in 2019 (week 1 – 51)

State	Week(s) report not received
Adamawa	50,51
Delta	10,12
Kano	51

Timeliness and Completeness of Reports by State

Year to date (week 1 – 51)

State	Timeliness (%)	Completeness (%)
Abia	84	100
Adamawa	86	96
Akwa Ibom	94	100
Anambra	80	100
Bauchi	94	100
Bayelsa	98	100
Benue	57	100
Borno	92	100
Cross River	51	100
Delta	63	96
Ebonyi	98	100
Edo	88	100
Ekiti	100	100
Enugu	94	100
FCT	100	100
Gombe	94	100
Imo	80	100
Jigawa	78	100
Kaduna	94	100
Kano	98	98
Katsina	90	100
Kebbi	94	100
Kogi	92	100
Kwara	94	100
Lagos	80	100
Nasarawa	86	100
Niger	92	100
Ogun	96	100
Ondo	76	100
Osun	100	100
Oyo	82	100
Plateau	94	100
Rivers	94	100
Sokoto	100	100
Taraba	92	100
Yobe	100	100
Zamfara	90	100