

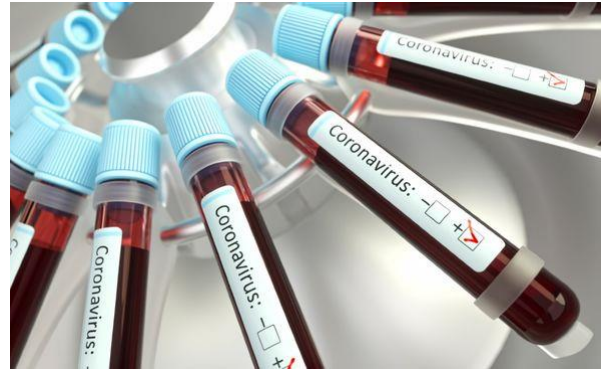
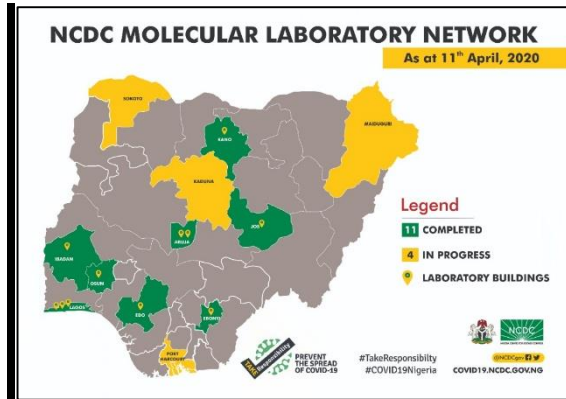


Weekly Epidemiological Report

Week 13: 23rd – 29th March 2020

Highlight of the Week

Optimising Diagnostic Capacity for COVID-19 Testing in Nigeria



Globally, the number of COVID-19 cases recorded has hit nearly two million across more than 200 countries and territories. This exponential rise is an indication of more COVID-19 tests being carried out across the globe to promptly detect the disease. However, increasing demand and global shortage of commodities has led to challenges bordering on prevention, detection and response in several countries.

Following reports of the coronavirus disease in Wuhan, China in December 2019, the Nigeria Centre for Disease Control (NCDC) promptly initiated measures to strengthen the country's preparedness for early detection and timely response to the disease. This included strengthening in-country diagnostic capacity for the testing of COVID-19 by leveraging on existing laboratories within the NCDC molecular laboratory network. Initially, five laboratories were activated in the Federal Capital Territory, Abuja (1); Lagos state (2); Osun state (1); and Edo state (1).

In under four months, additional six laboratories have been activated for the testing of COVID-19 in Nigeria to cater to each geo-political zone in the country. This is critical because as of the 13th of April 2020, at least one confirmed case has been reported in all six geo-political zones in Nigeria across 19 States and the FCT.

The NCDC continues to expand diagnostic capacity for COVID-19 with the aim to add four more laboratories by the end of the week once all accreditation processes have been concluded. This expansion will significantly improve the national daily testing capacity, proximity from States' sample collection centres to the nearest laboratory and ultimately, enhance the turn-around time from when samples arrive at the laboratory.

The list below categorises COVID-19 testing laboratories by their locations and operational status in Nigeria:

S/N	Name / Location of laboratories	Location	Operational Status
1.	National Reference Laboratory, Gaduwa	Abuja	Activated
2.	Lagos University Teaching Hospital	Lagos	Activated
3.	Nigeria Institute of Medical Research	Lagos	Activated
4.	Lagos Biobank Laboratory	Lagos	Activated
5.	Irrua Teaching Hospital	Edo	Activated
6.	African Centre for Genomics of Infectious Diseases	Osun	Activated
7.	University College Hospital Virology Laboratory	Oyo	Activated
8.	Federal Teaching Hospital, Abakaliki	Ebonyi	Activated
9.	Defence Reference Laboratory	Abuja	Activated
10.	National Veterinary Reference Laboratory	Plateau	Activated
11.	Aminu Kano Teaching Hospital	Kano	Activated
12.	DNA laboratory	Kaduna	In progress
13.	University of Maiduguri Teaching Hospital	Borno	In progress
14.	University of Port Harcourt Teaching Hospital	Rivers	In progress
15.	TAMRED Laboratory	Sokoto	In progress

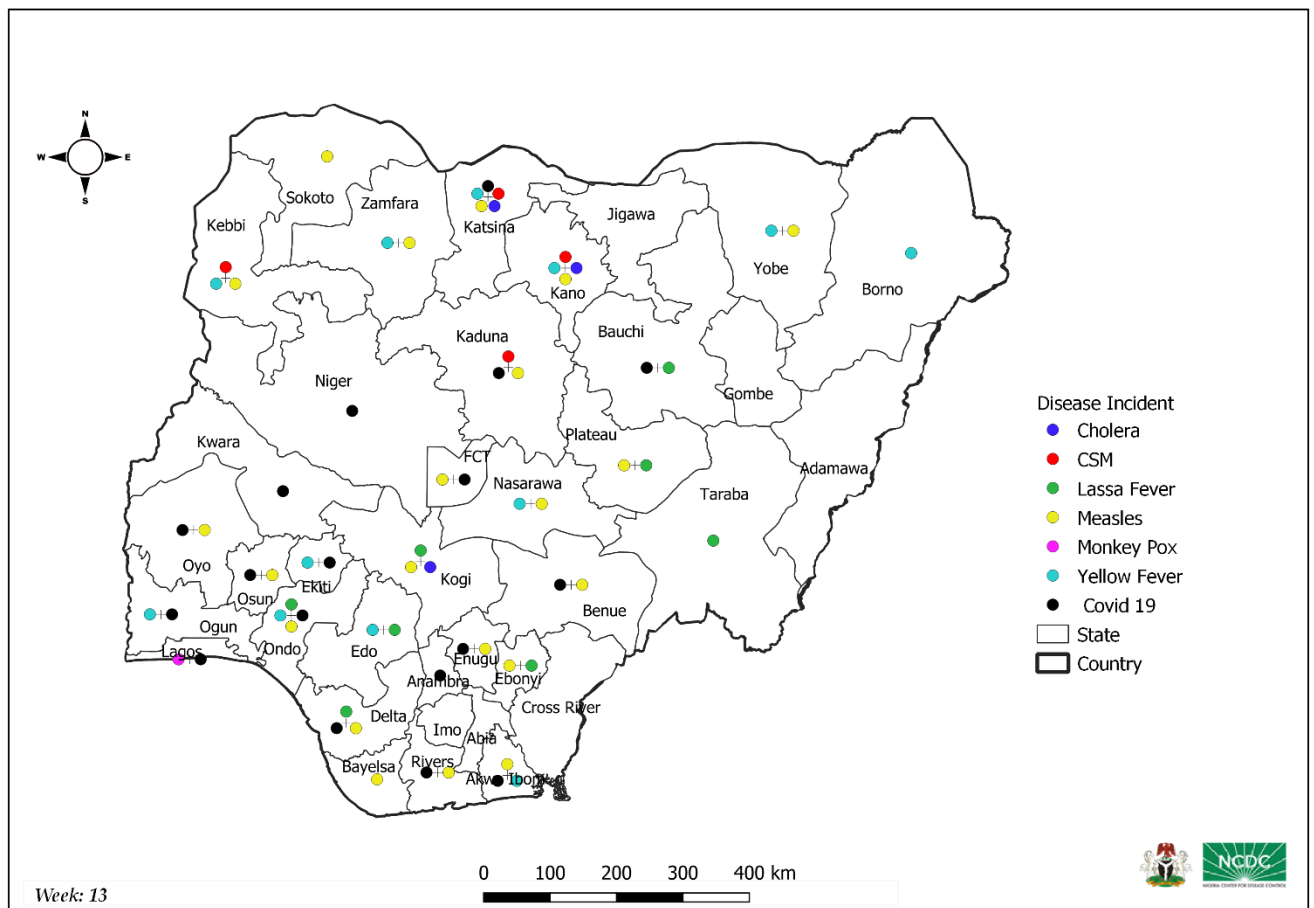
Summary of Incidents

Ongoing incidents

2

Ongoing incidents are defined as confirmed cases where a national EOC or equivalent has been activated (EOC is currently activated for Lassa fever and COVID-19)

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



Data Source: SITAware

Summary

Week 13: 23rd – 29th March 2020 (Week 15: 6th – 12th April for COVID-19)

Lassa Fever_{1,2}	Cerebrospinal Meningitis (CSM)_{3,4}	Yellow Fever_{3,4}
182 Suspected case(s)	18 Suspected case(s)	29 Suspected case(s)
19 Confirmed case(s)	0 Confirmed case(s)	0 Confirmed case(s)
1 Death(s)	0 Death(s)	0 Death(s)
Cholera_{3,4}	Measles_{3,4}	Monkeypox_{1,4}
6 Suspected case(s)	894 Suspected case(s)	2 Suspected case(s)
0 Confirmed case(s)	0 Confirmed case(s)	1 Confirmed case(s)
0 Death(s)	4 Death(s)	0 Death(s)
Acute Flaccid Paralysis (AFP)_{3,4}	National Sentinel influenza surveillance₅	COVID19 (Week 15)
61 Suspected case(s)	0 Suspected case(s)	2168 Suspected case(s)
0 Confirmed case(s)	0 Confirmed case(s)	323 Confirmed case(s)
		10 Death(s)

Timeliness of reports₃	Completeness of reports₃
83.1% Last 4 weeks	95.3% Last 4 weeks
88.4% Year to date	97.7% Year to date

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 13

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
182	19	1	State: 7 + FCT LGA: 14

Year to date (week 1 – 13)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
2034	4194	526	951	121	185	23%	19.5%

Figure 1: Number of suspected and confirmed cases of Lassa Fever, Nigeria, Week 1 – 13, 2020

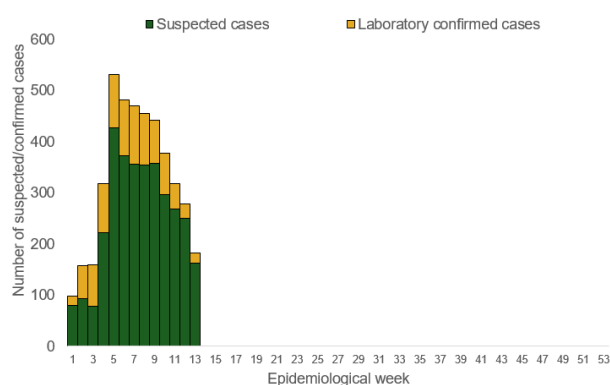
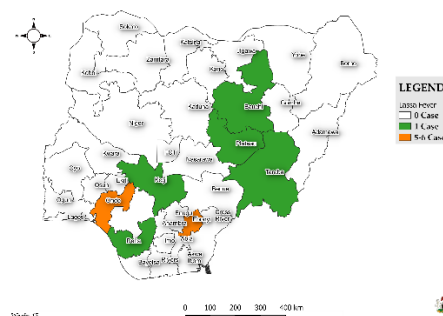


Figure 2: Location of **confirmed** cases of Lassa Fever by state, Nigeria, week 13, 2020



Key points

- There were 182 suspected cases, 19 confirmed cases and one death recorded from 14 LGAs in seven states and FCT

Actions

To date:

- National Emergency Operations Centre (EOC) has been activated to coordinate response activities across states.
- Multi-sectoral Public Health Emergency Operation Centres (PHEOC) activated in affected States
- NCDC National Rapid Response Team (RRT) deployed to Ondo, Ebonyi, Enugu, Katsina, Taraba, Delta, Edo, Kano, Borno and Bauchi states
- Carried out training on LF IPC and case management for Enugu, Delta, Abia and Anambra states

- Support to Lassa fever awareness and prevention campaign in FCT, Edo and Ondo by Hypo

Planned:

- Pilot indigent patient treatment scheme through the basic healthcare provision funds
- Support states to develop and implement Lassa fever response sustainability plan
- Operationalise LGA *sanitation desks* by Environmental Health Officers in all states
- Implement regular sanitation exercise in all States

Cerebrospinal Meningitis (CSM)

Week 13

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
18	0	0	State: 4 LGA: 11

Year to date (week 1 – 13)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
1043	194	99	0	77	3	7.4%	1.6%

Figure 3: Number of suspected and confirmed cases of CSM, Nigeria, week 1 – 13, 2020

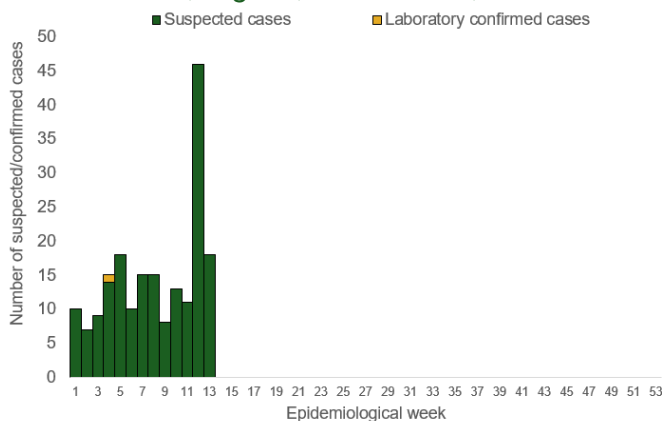
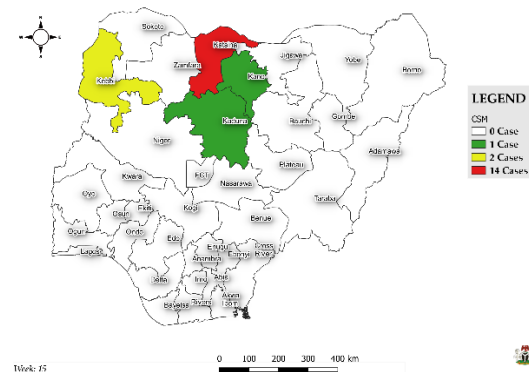


Figure 4: Location of suspected cases of CSM by State, Nigeria, week 13, 2020



Key points

There were 18 suspected cases of Cerebrospinal Meningitis (CSM) reported from 11 LGAs in four states (Kaduna – 1, Kano – 1, Katsina – 14 & Kebbi – 2). None was laboratory confirmed and two deaths were recorded

Actions

To date:

- National CSM TWG meets weekly to review reports from states and plan appropriately
- Enhanced surveillance in all states

Planned:

- Continue harmonisation of the national line list and SORMAS data
- Continue to ensure that states reporting cases send their line lists and collect CSM samples

Yellow Fever

Week 13

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
29	0	0	State: 12 LGA: 21

Year to date (week 1 – 13)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
364	654	5	6	0	0	0%	0%

Figure 5: Number of suspected and confirmed cases of Yellow Fever, Nigeria, week 1 – 13, 2020

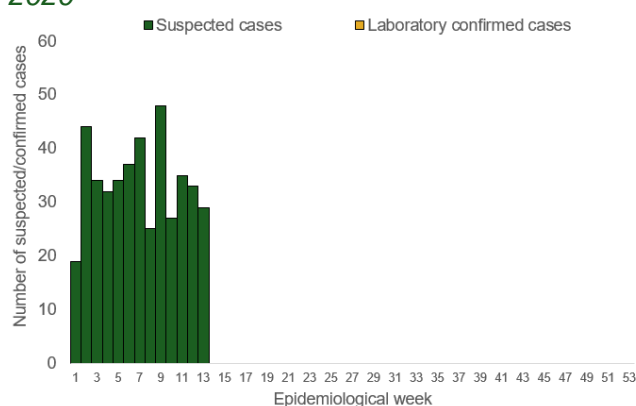
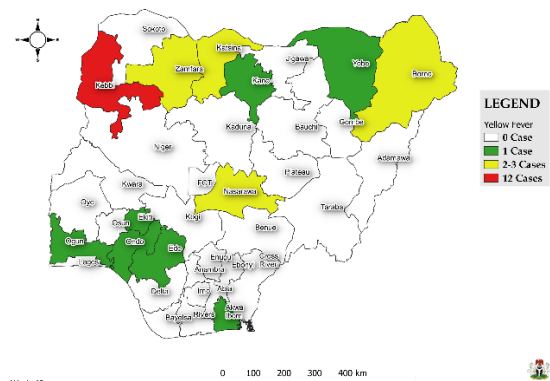


Figure 6:



Location of suspected cases of Yellow Fever by State, Nigeria, week 13, 2020

Key points

- There were 29 suspected cases of Yellow Fever (YF) reported from 21 LGAs in 12 states. None was laboratory confirmed and no death was recorded

Actions

To date:

- National multiagency YF Technical Working Group (TWG) is coordinating response activities

Planned:

- Surveillance and laboratory data harmonisation is ongoing

Cholera

Week 13

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
6	0	0	State: 3 LGA: 3

Year to date (week 1 – 13)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
474	742	5	0	24	31	5.1%	4.8%

Figure 7: Number of suspected and confirmed cases of Cholera, Nigeria, week 1 – 13, 2020

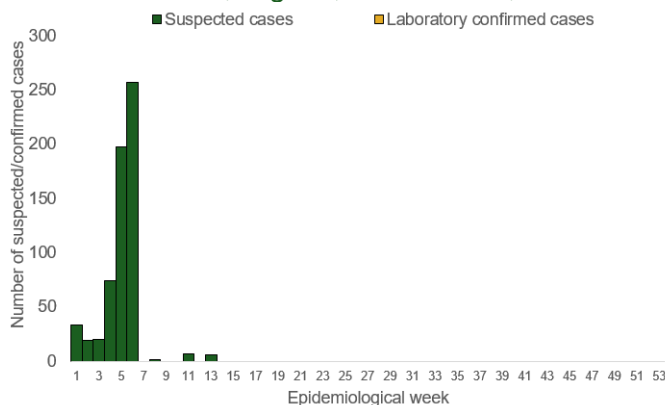
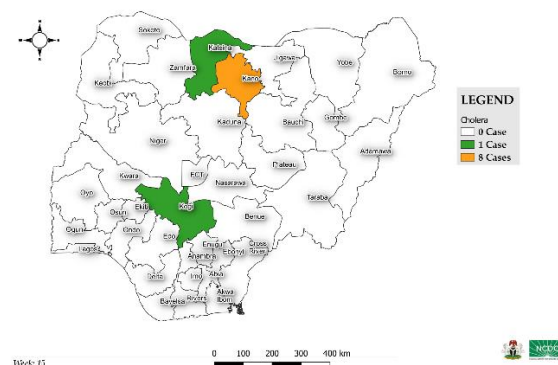


Figure 8: Location of suspected cases of Cholera by State, Nigeria, week 13, 2020



Key points

- There were six suspected cases of cholera reported in three LGAs in three states (Kano – 4, Katsina – 1 & Kogi - 1) this week. None was laboratory confirmed and no death was recorded

Actions

To date

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

Planned:

- Continue follow up and monitoring of non-reporting states
- Continue harmonisation of the national line list and SORMAS data

Measles

Week 13

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
894	0	4	State: 23 + FCT LGA: 149

Year to date (week 1 – 13)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
16284	10105	535	636	31	29	0.2%	0.3%

Figure 9: Number of suspected and confirmed cases of Measles, Nigeria, week 1 – 13, 2020

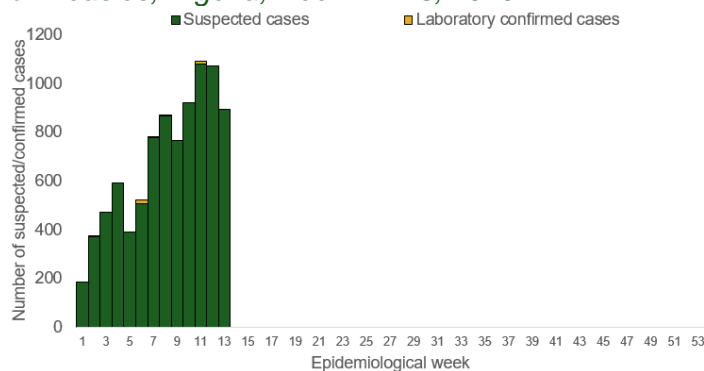
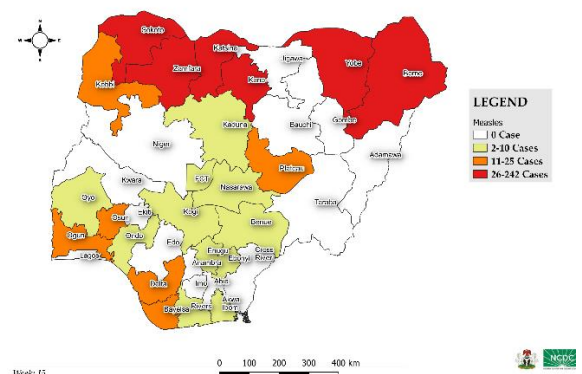


Figure 10: Location of suspected cases of Measles by State, Nigeria, week 13, 2020



Key points

- There were 894 suspected cases of Measles reported from 149 LGAs in 23 states. None was laboratory confirmed and four deaths were recorded

Actions

To date

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

Planned:

- Intensify follow up with states to update and transmit line list
- Continue the review of measles surveillance data across the country
- Continue harmonisation of the national line list and SORMAS data

Monkeypox

Week 13

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

Year to date (week 1 – 13)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
15	13	9	2	0	0	0%	0%

Figure 11: Number of suspected and confirmed cases of Monkeypox, Nigeria, week 1 – 13, 2020

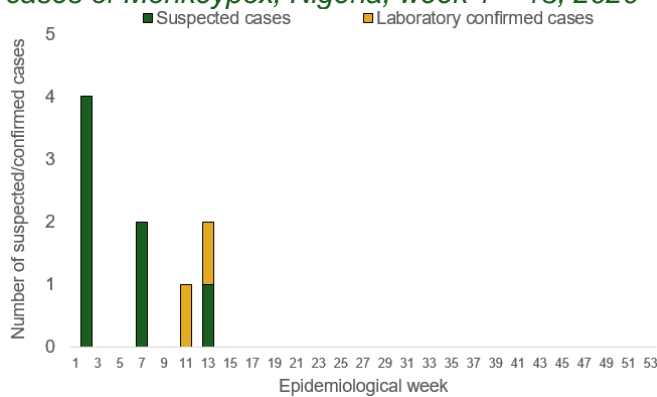
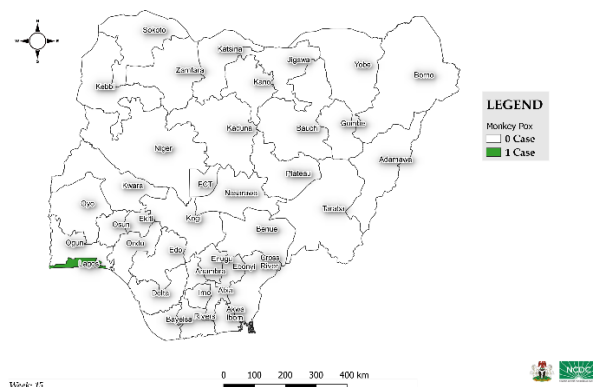


Figure 12: Location of suspected cases of Monkeypox by State, Nigeria, week 13, 2020



Key points

- There were two suspected cases of monkeypox reported in Mushin LGA of Lagos state. There was one confirmed case and no death recorded

Actions

To date

- National Monkeypox Technical Working Group (TWG) is monitoring activities in all states

Planned:

- Enhance surveillance for monkeypox in high burden states
- Continue harmonisation of the national line list and SORMAS data

Acute Flaccid Paralysis (AFP)

Week 13

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
61	0	0	State: 24 + FCT LGA: 57

Year to date (week 1 – 13)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
1644	1094	0	0	0	0	0%	0%

Figure 13: Number of suspected and confirmed cases of AFP, Nigeria, week 1 – 13, 2020

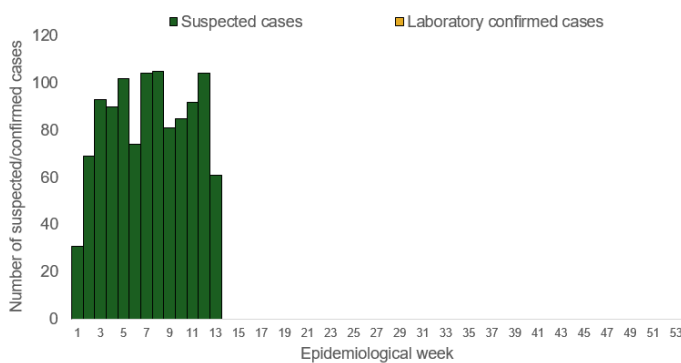
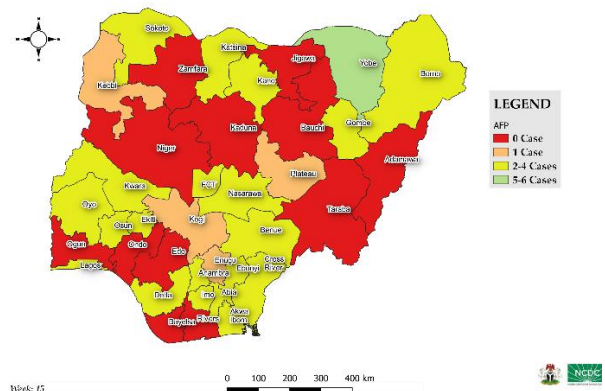


Figure 14: Location of suspected cases of AFP by State, Nigeria, week 13, 2020



Key points

- There were 61 suspected cases of AFP reported from 57 LGAs in 24 states and FCT. None was laboratory confirmed and no death was recorded

Corona virus (COVID-19)

Week 15

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
2168	323	10	State: 19+FCT LGA:

Year to date (week 1 – 15)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
0	2168	0	323	0	10	0	3.1%

Figure 15: Number of suspected and confirmed cases of COVID-19, Nigeria, week 1 – 15, 2020

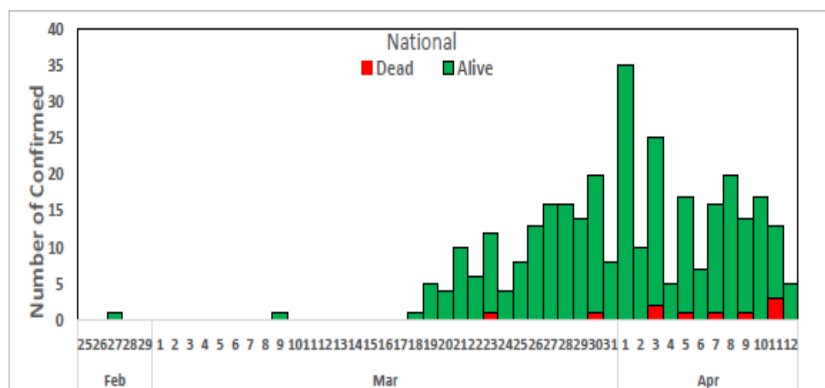
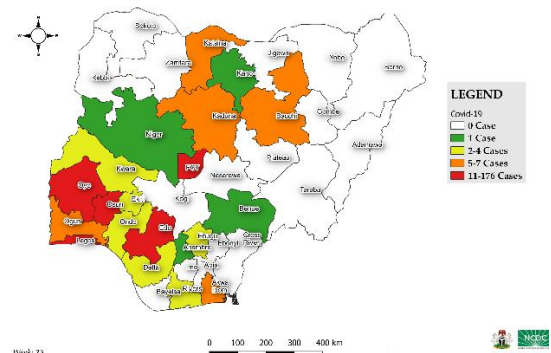


Figure 16: Location of suspected cases of COVID-19 by State, Nigeria, week 15, 2020



Actions

To date:

- National Emergency COVID-19 (LF) multi-partner, multi-sectoral Operations Centre (EOC) activated at level continues to coordinate response activities across states.
- *Established eleven (11) COVID-19 diagnostic capacities*
- National Rapid Response Team continues to support affected states
- Deployed Surveillance Outbreak Response Management and Analysis System (SORMAS) to states not using SORMAS but with COVID-19 cases
- Deployed medical commodities to affected states

Planned:

- Continue mobilisation of resources
- Expand *COVID-19 diagnostic capacities*
- Virtual of health educators across Nigeria
- Continue to establish surge capacities across all response pillars
- Conduct training on case management and infection prevention and control for staff of COVID-19 treatment centres in Lagos and FCT

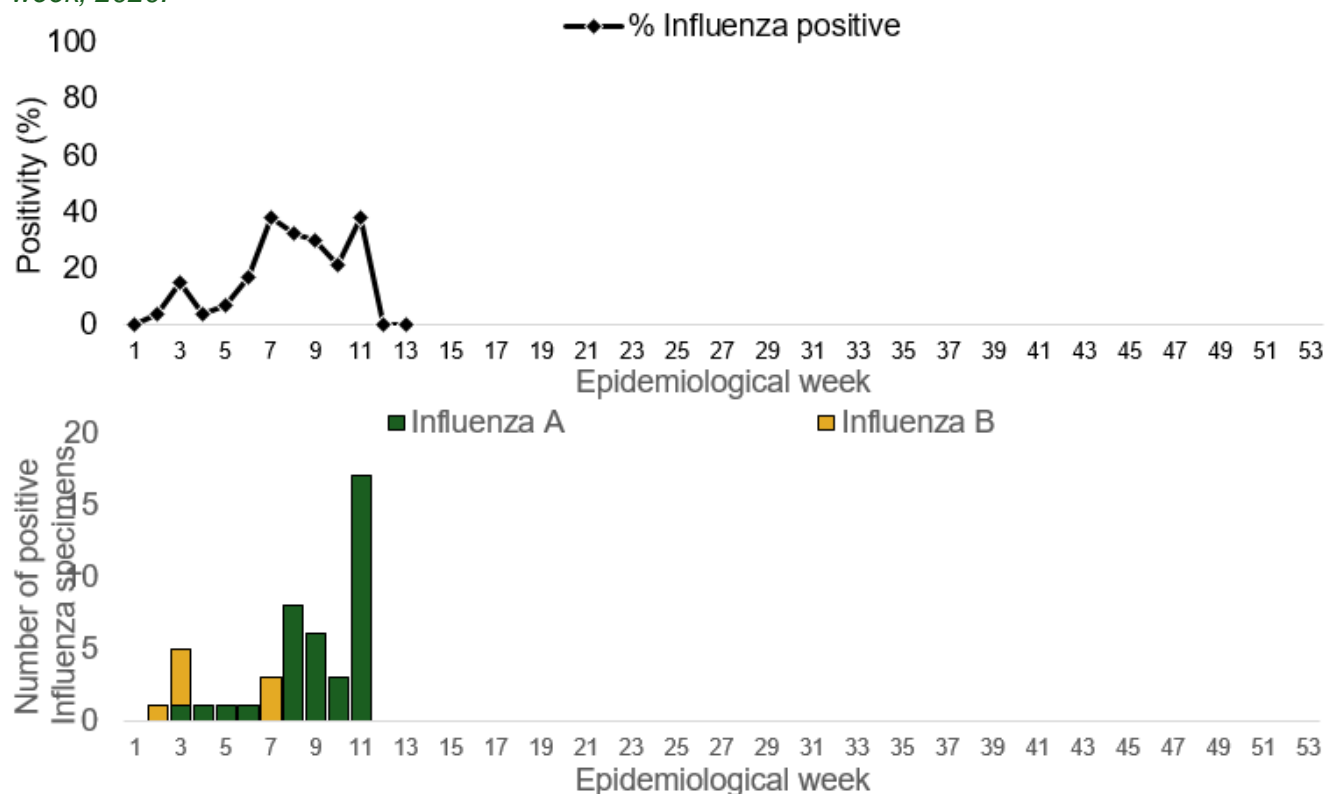
National Influenza Sentinel Surveillance

Year to date (week 1 – 13)

	Suspected cases	Suspected ILI	Suspected SARI
Number (Percentage)	264	204 (77.3%)	60 (22.7%)

	Confirmed cases		Confirmed ILI		Confirmed SARI	
	Influenza A	Influenza B	Influenza A	Influenza B	Influenza A	Influenza B
Number	48	11	39	8	9	3
Positivity (%)	18.2%	4.2%	19.1%	3.9%	15%	5%

Figure 15: Number of influenza positive specimens by type and percent positive by epidemiological week, 2020.



Key points

- The subtypes A seasonal H3, 2009A/H1N1 and A/not subtyped account for 0(0.0%), 2(9.5%) and 19 (90.5%) of the total influenza A positive samples respectively. The subtypes B VICTORIA, B Not subtyped and B Yamagata account for 0(0.0%), 8(100%) and 0(0.0%) of the total influenza B positive samples respectively.
- The percentage influenza positive was highest in week 10 with 40%.

Timeliness and Completeness of Reports

Last 4 weeks (10 – 13, 2020)

Figure 16: A – Timeliness by State (%); B – Completeness by State (%), weeks 10 - 13, 2020



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 10 – 13	Year to date Week 1- 13
Reports sent on time	123	425
Reports sent late	18	45
Reports not received	7	11
Timeliness	83.1%	88.4%
Completeness	95.3%	97.7%

States with reports not received in 2020 (week 1 – 13)

State	Week(s) report not received
Abia	13
Bauchi	13
Jigawa	6, 7, 8, 9, 10, 11, 12 & 13
Taraba	13

Timeliness and Completeness of Reports by State

Year to date (week 1 – 13)

State	Timeliness (%)	Completeness (%)
Abia	92	100
Adamawa	31	92
Akwa Ibom	92	100
Anambra	92	100
Bauchi	85	92
Bayelsa	100	100
Benue	62	100
Borno	100	100
Cross River	85	100
Delta	100	100
Ebonyi	92	100
Edo	100	100
Ekiti	100	100
Enugu	100	100
FCT	100	100
Gombe	85	100
Imo	100	100
Jigawa	8	38
Kaduna	77	100
Kano	92	100
Katsina	85	100
Kebbi	100	100
Kogi	100	100
Kwara	92	100
Lagos	85	100
Nasarawa	100	100
Niger	100	100
Ogun	85	100
Ondo	85	100
Osun	85	100
Oyo	92	100
Plateau	100	100
Rivers	100	100
Sokoto	92	100
Taraba	85	92
Yobe	100	100
Zamfara	92	100