



Nigeria Centre for Disease Control
Protecting the health of Nigerians

Weekly Epidemiological Report

Week 12: 16th – 22nd March 2020

Highlight of the Week

Building Capacity for Case Management of COVID-19 in Nigeria



Globally, with over a million cases of COVID-19 recorded in more than 150 countries, the disease has spread at an exponential rate in less than 3 months. As of the 7th of April, 254 confirmed cases have been recorded across 17 states, with 44 discharged and 6 deaths recorded. Currently, Lagos State is the epicentre of the outbreak in Nigeria with the highest number of cases followed by the Federal Capital Territory.

Given the increasing number of cases, countries are being confronted by several challenges particularly limited availability of treatment centres to accommodate and effectively treat confirmed cases of COVID-19. This inadequate access to prompt and effective care in healthcare settings could hinder the ability of countries to halt the spread of the disease.

The Nigeria Centre for Disease Control (NCDC) continues to work closely with all states' government to ensure adequate infrastructures are put in place for timely detection and management of cases. Beyond establishing infrastructural capacity, the NCDC is also building the capacity of the public health and clinical workforce for the management of COVID-19 cases. National interim guideline for clinical management of COVID-19 developed by the NCDC has been useful resource for the training of different cadres of doctors and nurses across Nigeria. This guideline alongside infection prevention and control (IPC) guidelines are being shared with all identified treatment centres in Nigeria and can be accessed [here](#).

Recently, the NCDC conducted a three-day training from the 31st of March – 2nd of April 2020, on case management and infection prevention and control (IPC) of COVID-19 for health workers at the Department of State Services (DSS) Medical Centre. The training was done in two batches; one for treatment of mild and moderate cases and the other on treatment of severe cases. With a total of 96 health workers trained, they serve as ready-to-go surge capacity to be deployed to support States in their preparedness and response activities.

This is in addition to the case management and IPC training conducted for medical colleagues from the National Primary Health Development Agency (NPHCDA) who are now supporting the NCDC-led national Emergency Operations Centre. We continue to pull all resources available to enhance our capacity to effectively respond to the COVID-19 outbreak in Nigeria, using best practices to provide guidance for all frontline healthcare workers.

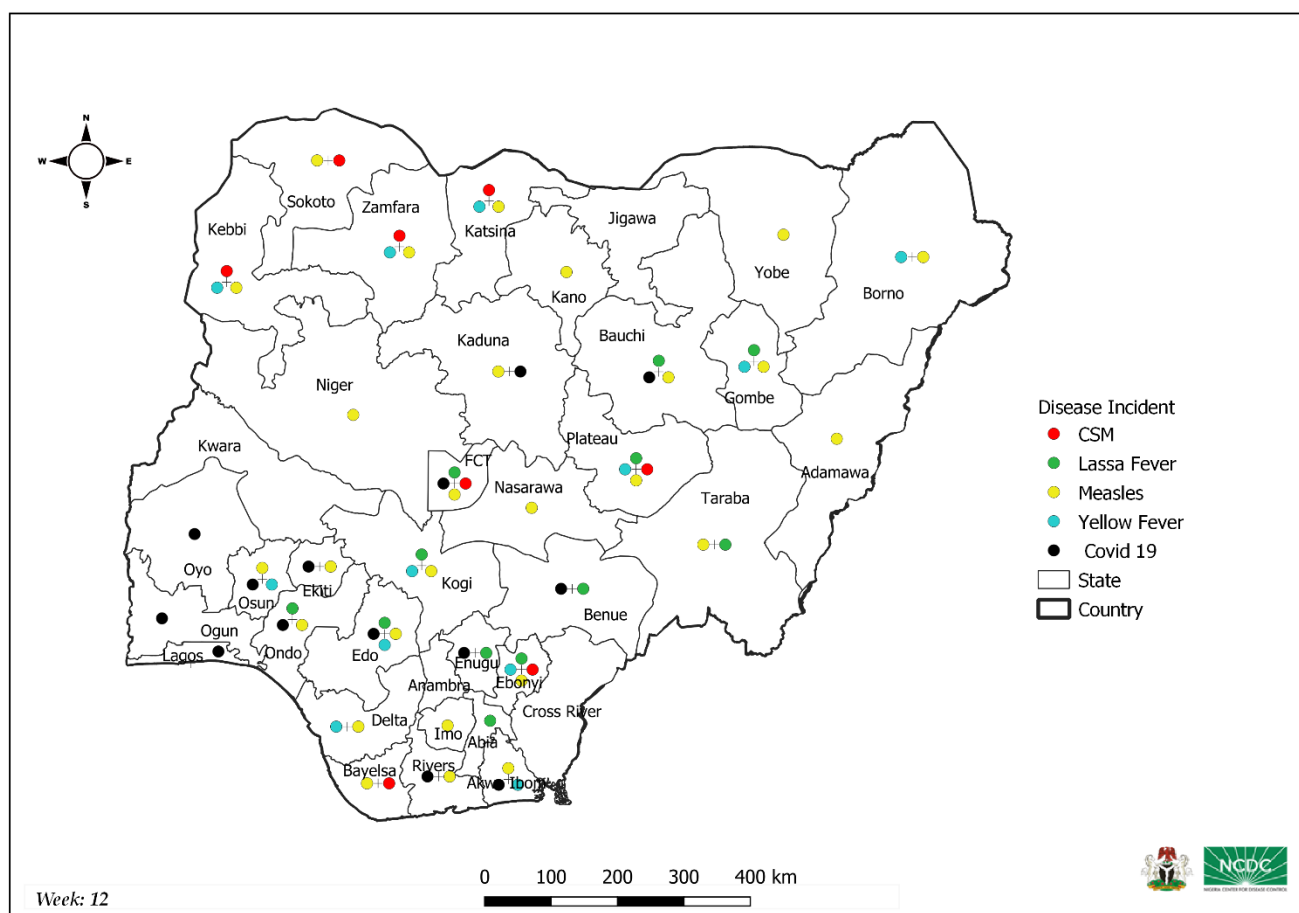
Summary of Incidents

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 12: 16th – 22nd March 2020 (Week 14 for COVID-19)

Lassa Fever _{1,2}	Cerebrospinal Meningitis (CSM) _{3,4}	Yellow Fever _{3,4}
279 Suspected cases	46 Suspected cases	33 Suspected cases
28 Confirmed case(s)	0 Confirmed cases	0 Confirmed cases
3 Death(s)	2 Death(s)	0 Death(s)
Cholera _{3,4}	Measles _{3,4}	Monkeypox _{1,4}
0 Suspected cases	1069 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 surveillance ₅	COVID-19 (week 14)
104 Suspect cases	0 Suspected case	2168 Suspected cases
0 Confirmed Polio	18 Confirmed Polio	232 Confirmed cases
		5 Death(s)

Timeliness of reports ₃	Completeness of reports ₃
83.1% Last 4 weeks	93.9% Last 4 weeks
88.5% Year to date	97.3% 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 12

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
279	28	3	State: 11 + FCT LGA: 17

Year to date (week 1 – 12)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
1924	4012	510	932	119	176	22.9%	18.9%

Figure 1: Number of suspected and confirmed cases of Lassa Fever, Nigeria, Week 1 – 12, 2020

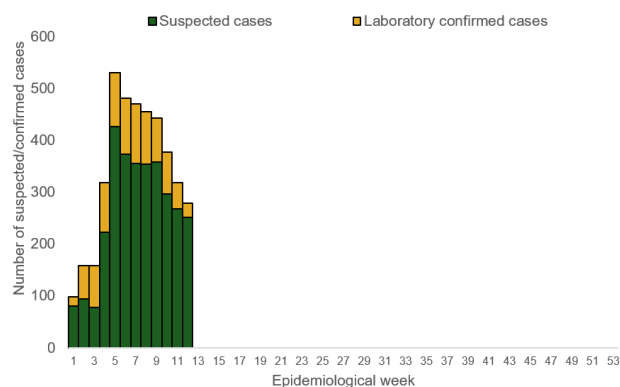
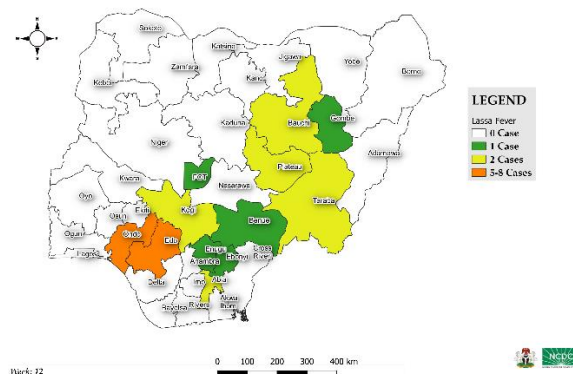


Figure 2: Location of confirmed cases of Lassa Fever by state, Nigeria, week 12, 2020



Key points

- There were 279 suspected cases, 28 confirmed cases and three deaths recorded from 17 LGAs in 11 states and FCT
- No new healthcare workers were affected in the reporting week 12

Actions

To date:

- National Emergency Operations Centre (EOC) has been activated to coordinate response activities across states.
- *Of the states with confirmed cases, eight of them have activated state level EOCs*
- The five molecular laboratories for Lassa fever testing in the NCDC network are working fully to ensure that all samples are tested, and results provided within the shortest turn-around time
- Enhanced surveillance (contact tracing and active case finding) in affected states

Planned:

- Continue mobilisation of resources

- Finalise the Lassa fever five-year *Strategic plan*
- In-depth investigation of healthcare worker infections
- Operationalise *LGA sanitation desks* by Environmental Health Officers in all states

Cerebrospinal Meningitis (CSM)

Week 12

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
46	0	2	State: 7 + FCT LGA: 16

Year to date (week 1 – 12)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
703	176	44	0	47	3	6.7%	1.7%

Figure 3: Number of suspected and confirmed cases of CSM, Nigeria, week 1 – 12, 2020

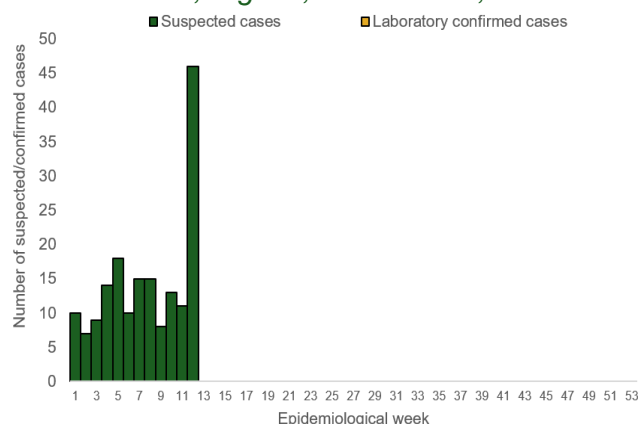
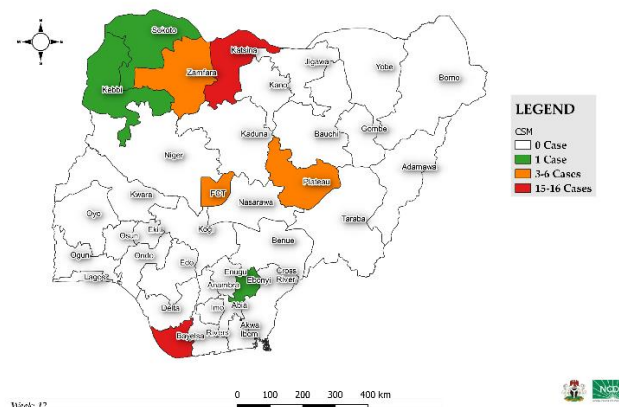


Figure 4: Location of suspected cases of CSM by State, Nigeria, week 12, 2020



Key points

There were 46 suspected cases of Cerebrospinal Meningitis (CSM) reported from 16 LGAs in seven states and FCT (Bayelsa – 15, Ebonyi – 1, FCT – 3, Katsina – 16, Kebbi – 1, Plateau – 3, Sokoto - 1 & Zamfara – 6). 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 12

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
33	0	0	State: 12 LGA: 28

Year to date (week 1 – 12)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
364	410	5	0	0	0	0%	0%

Figure 5: Number of suspected and confirmed cases of Yellow Fever, Nigeria, week 1 – 12, 2020

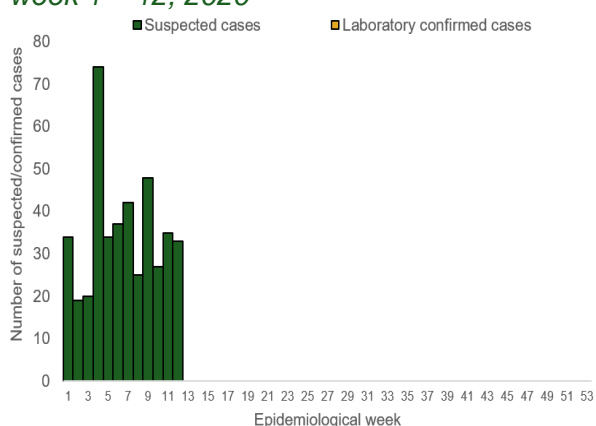
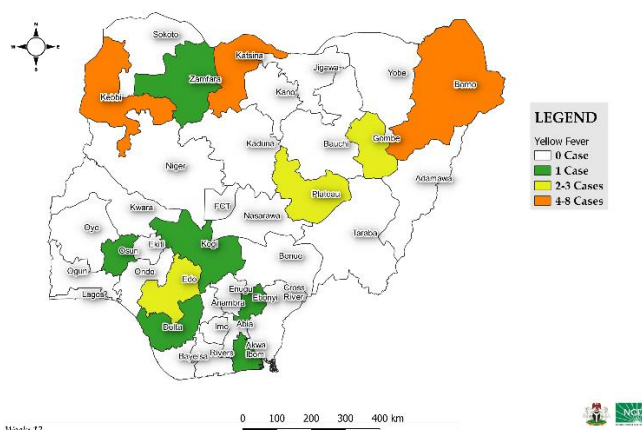


Figure 6:



Location of suspected cases of Yellow Fever by State, Nigeria, week 12, 2020

Key points

- There were 33 suspected cases of Yellow Fever (YF) reported from 28 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 12

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

Year to date (week 1 – 12)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
362	736	6	0	24	31	6.6%	4.2%

Figure 7: Number of suspected and confirmed cases of Cholera, Nigeria, week 1 – 12, 2020

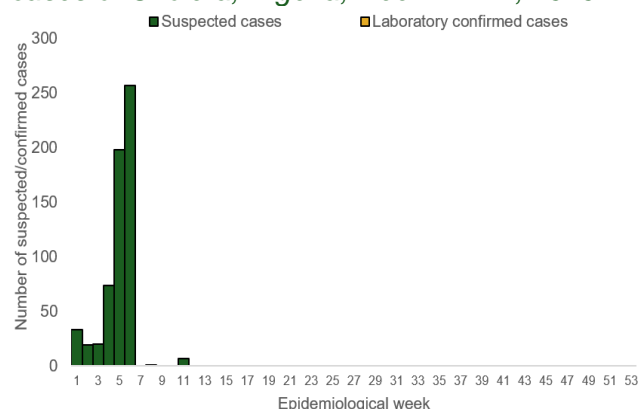
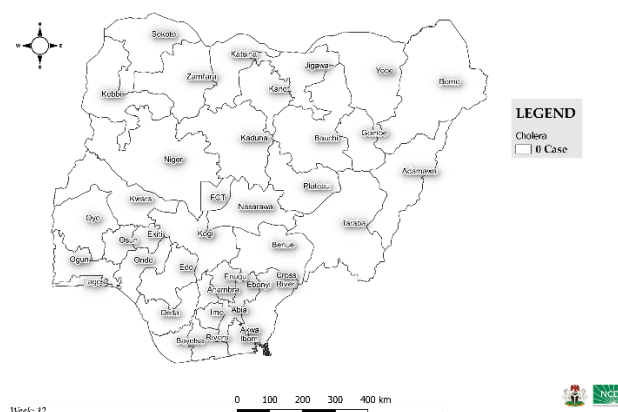


Figure 8: Location of suspected cases of Cholera by State, Nigeria, week 12, 2020



Key points

- There is no suspected case 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
- Development of the 2020 cholera preparedness and response plan ongoing

Planned:

- Ensure that reporting states conduct rapid diagnostic test/culture test and send line list of all reported cases to the national level
- Continue follow up and monitoring of non-reporting states
- Continue harmonisation of the national line list and SORMAS data
- Working with states to increase diagnostic testing rate

Measles

Week 12

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
1069	0	0	State: 26 + FCT LGA: 206

Year to date (week 1 – 12)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
14171	7990	535	18	29	20	0.2%	0.25%

Figure 9: Number of suspected and confirmed cases of Measles, Nigeria, week 1 – 12, 2020

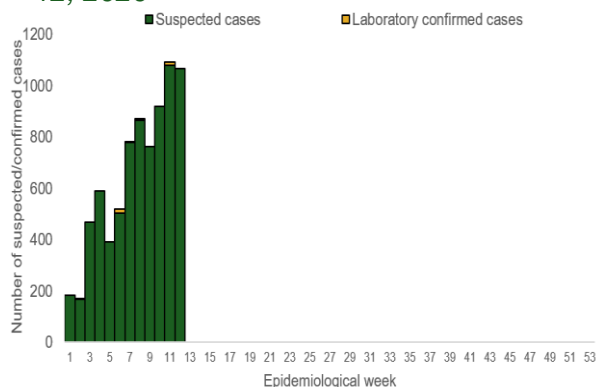
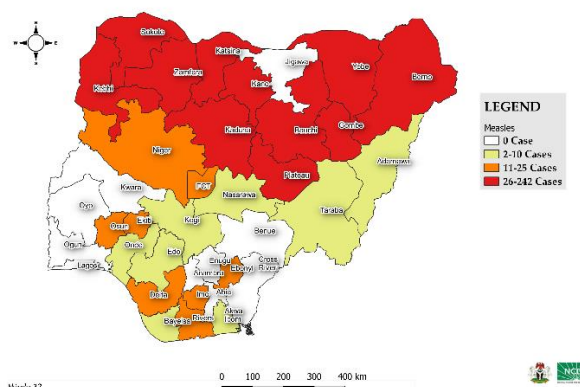


Figure 10: Location of suspected cases of Measles by State, Nigeria, week 12, 2020



Key points

- There were 1069 suspected cases of measles reported from 206 LGAs in 26 states and FCT. 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:

- 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 12

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

Year to date (week 1 – 12)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
9	11	9	1	0	0	0%	0%

Figure 11: Number of suspected and confirmed cases of Monkeypox, Nigeria, week 1 – 12, 2020

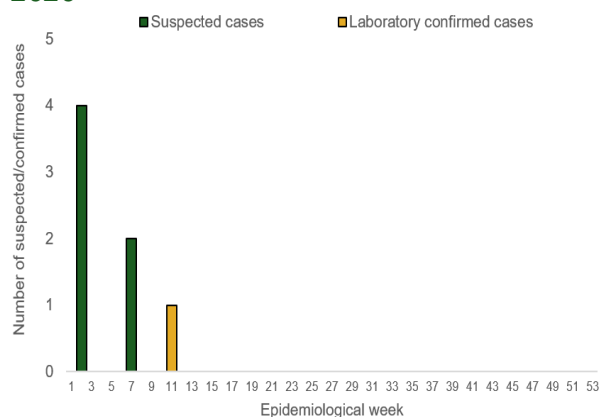
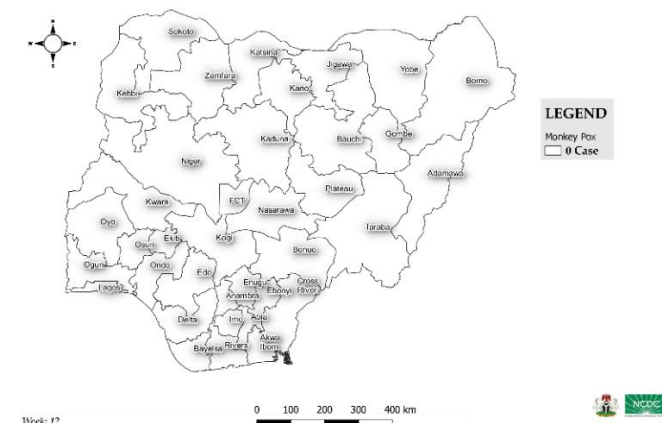


Figure 12: Location of suspected cases of Monkeypox by State, Nigeria, week 12, 2020



Key points

- There was no suspected case of monkeypox reported

Actions

To date

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

Planned:

- Enhance surveillance for Monkeypox in high burden states, working with the animal health colleagues
- Continue harmonisation of the national line list and SORMAS data

Acute Flaccid Paralysis (AFP)

Week 12

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
104	0	0	State: 30 + FCT LGA: 97

Year to date (week 1 – 12)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
1506	1033	0	0	0	0	0%	0%

Figure 13: Number of suspected and confirmed cases of AFP, Nigeria, week 1 – 12, 2020

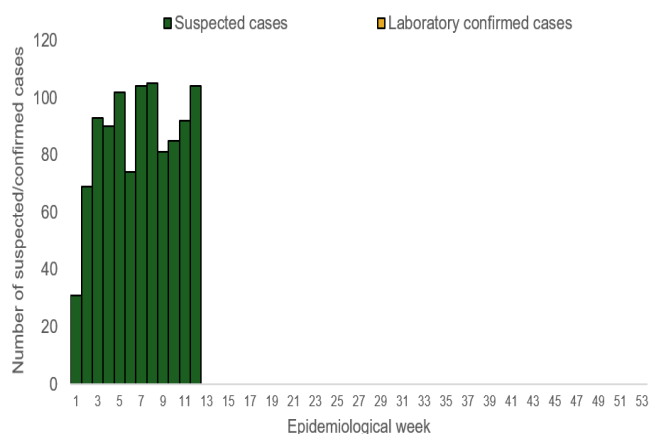
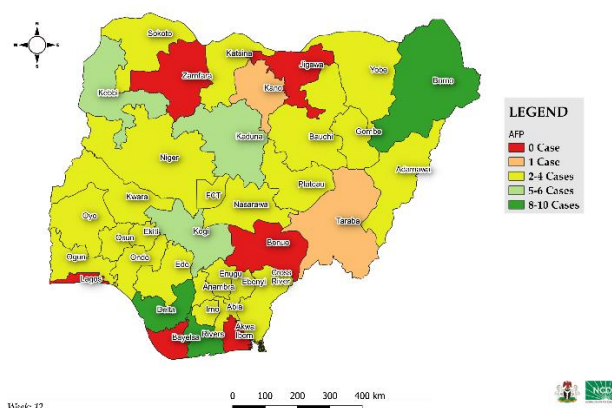


Figure 14: Location of suspected cases of AFP by State, Nigeria, week 12, 2020



Key points

- There were 104 suspected cases of AFP reported from 97 LGAs in 30 states and FCT. None was laboratory confirmed and no death was recorded

Coronavirus (COVID-19)

Week 14

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
2168	232	5	State: 13+FCT LGA:

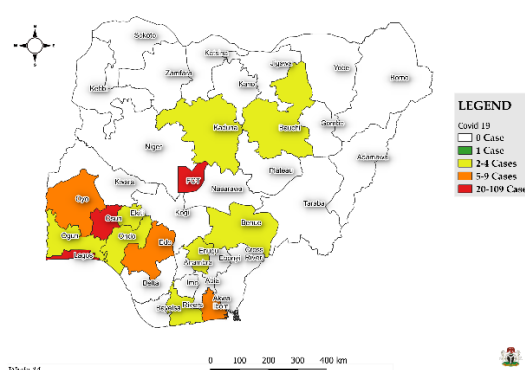
Year to date (week 1 – 13)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
0	2168	0	232	0	5	0	2.2%

Figure 15: Number of suspected and confirmed cases of COVID-19, Nigeria, week 1 – 14, 2020



Figure 16: Location of suspected cases of COVID-19 by State, Nigeria, week 14, 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 7 COVID-19 diagnostic capacities*
- Continuous and timely deployment of national rapid response team to support the affected states
- Deployed Surveillance Outbreak Response Management and Analysis System (SORMAS) to states not using SORMAS but with COVID-19 cases
- Enhanced surveillance (including contact tracing) ongoing in affected states.
- Deployed medical commodities to affected states

Planned:

- Continue mobilisation of resources
- Expand *COVID-19 diagnostic capacities*
- Establish more isolation / treatment centres
- Continue to establish surge capacities for response activities
- Conduct training on case management and infection prevention and control for staff of COVID-19 treatment centres in Lagos and FCT

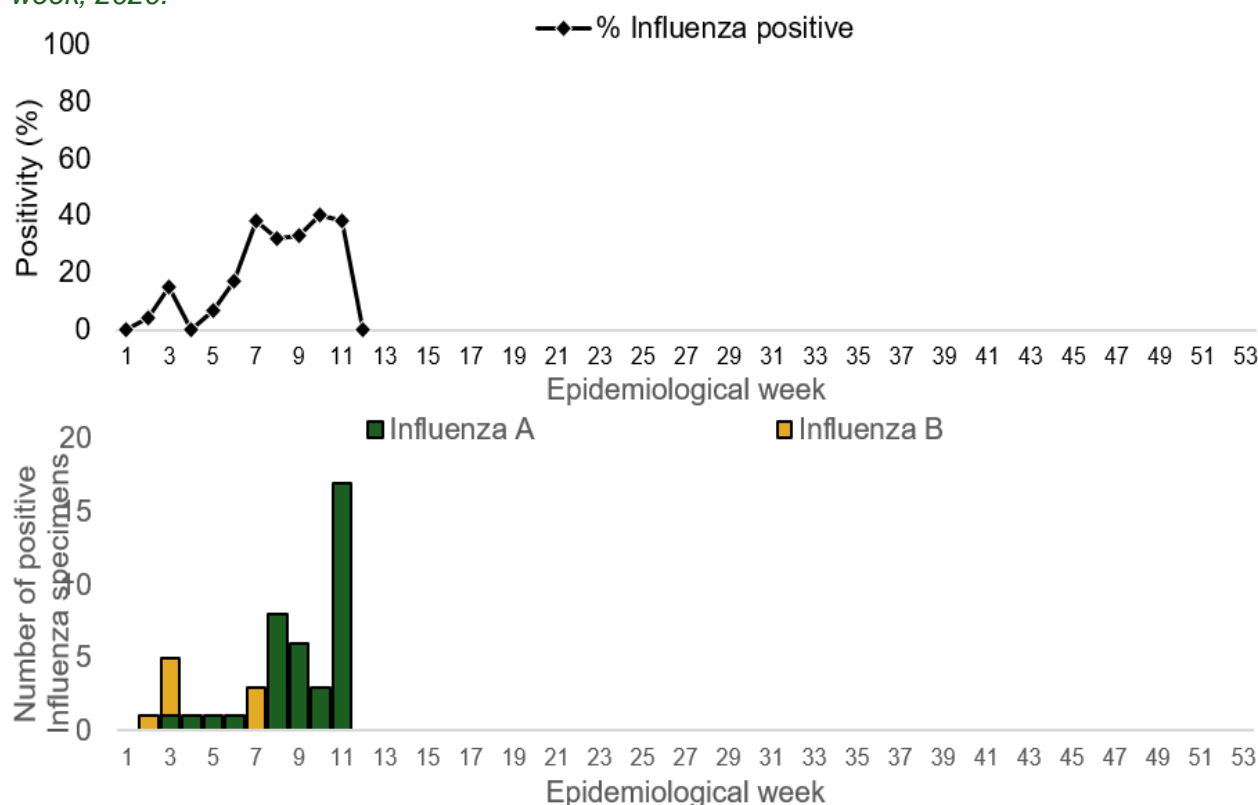
National Influenza Sentinel Surveillance

Year to date (week 1 – 12)

	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 (8 – 11, 2020)

Figure 16: A – Timeliness by State (%); B – Completeness by State (%), weeks 9 - 12, 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 9 – 12	Year to date Week 1- 12
Reports sent on time	123	393
Reports sent late	16	39
Reports not received	9	12
Timeliness	83.1%	88.5%
Completeness	93.9%	97.3%

States with reports not received in 2020 (week 1 – 12)

State	Week(s) report not received
Benue	10, 11 & 12
Jigawa	6, 7, 8, 9, 10, 11 & 12
Lagos	11 & 12

Timeliness and Completeness of Reports by State

Year to date (week 1 – 12)

State	Timeliness (%)	Completeness (%)
Abia	92	100
Adamawa	33	100
Akwa Ibom	92	100
Anambra	92	100
Bauchi	92	100
Bayelsa	100	100
Benue	58	75
Borno	100	100
Cross River	83	100
Delta	100	100
Ebonyi	92	100
Edo	100	100
Ekiti	100	100
Enugu	100	100
FCT	100	100
Gombe	83	100
Imo	100	100
Jigawa	8	42
Kaduna	73	100
Kano	92	100
Katsina	83	100
Kebbi	100	100
Kogi	100	100
Kwara	92	100
Lagos	83	83
Nasarawa	100	100
Niger	100	100
Ogun	83	100
Ondo	92	100
Osun	83	100
Oyo	92	100
Plateau	100	100
Rivers	100	100
Sokoto	92	100
Taraba	92	100
Yobe	100	100
Zamfara	92	100