



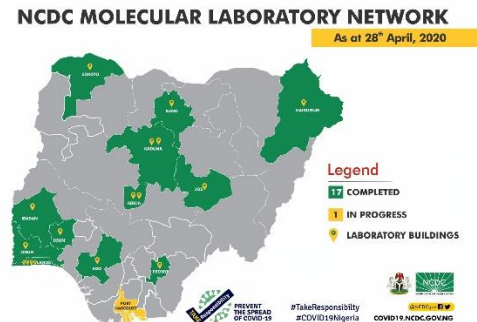
Nigeria Centre for Disease Control
Protecting the health of Nigerians

Weekly Epidemiological Report

Week 15: 6th April – 12th April 2020

Highlight of the Week

Scaling up COVID-19 testing capacity in Nigeria



The evolving transmission dynamics of the current coronavirus disease (COVID-19) pandemic has continued to put the global public health system to test. In response to this, different countries across the world have devised diverse strategies to timely detect, isolate and successfully manage cases. Currently, the need to conduct more testing is being advocated due to increased cases of community transmission.

According to the WHO COVID-19 transmission characterisation, four transmission scenarios have been described namely: **countries with no cases; countries with sporadic cases; countries with cluster of cases; and countries with community transmission.** As of the 28th of April, 1532 cases have been confirmed in Nigeria across 34 states with 255 persons discharged and 44 deaths recorded. With the Federal Capital Territory (FCT), Lagos and Kano States having the highest number of cases, there is increasing evidence of community transmission.

Following best practices through the use of molecular RT-PCR testing, the Nigeria Centre for Disease Control (NCDC) recently published the national testing strategy to rapidly scale diagnostic testing for all 36 States and the FCT ([see link](#)). Given the global increasing and competitive demand for testing kits, this is an adaptive testing strategy that will continue to evolve and significantly improve access to testing for the most vulnerable persons.

The strategy uses **a five-pronged approach** namely:

1. **Expand existing NCDC laboratory network with molecular RT-PCR:** this aims to increase testing capacity from 9 laboratories in states to 15 laboratories in 12 states. Currently, NCDC has a network of 17 COVID-19 testing laboratories in the country.
2. **Leverage capacity within the high throughput HIV molecular Testing Laboratories Private laboratories:** the country is currently in this phase which integrates laboratory systems to increase testing capacity. This is expected to increase national testing output from 3,000 tests a day to at least 5,000 tests per day.
3. **Repurpose point of care tuberculosis testing GeneXpert machines for COVID-19 testing:** the objective is to decentralise testing to state level and improve equitable access to testing for all Nigerians thereby reducing the turn-around time by 50%.
4. **Private Sector Engagement:** this is to ensure private laboratories with molecular testing capability are engaged and supported to provide COVID-19 testing.
5. **Future Use of Antigen and Antibody Tests to Learn More about the Disease:** this is to explore the role of antigen and antibody tests in the future.

With this strategy, the NCDC remains committed to providing continuous guidance to clinicians, epidemiologists and laboratories across the country on the prioritisation of testing during the various phases of the pandemic i.e. community transmission and widespread transmission.

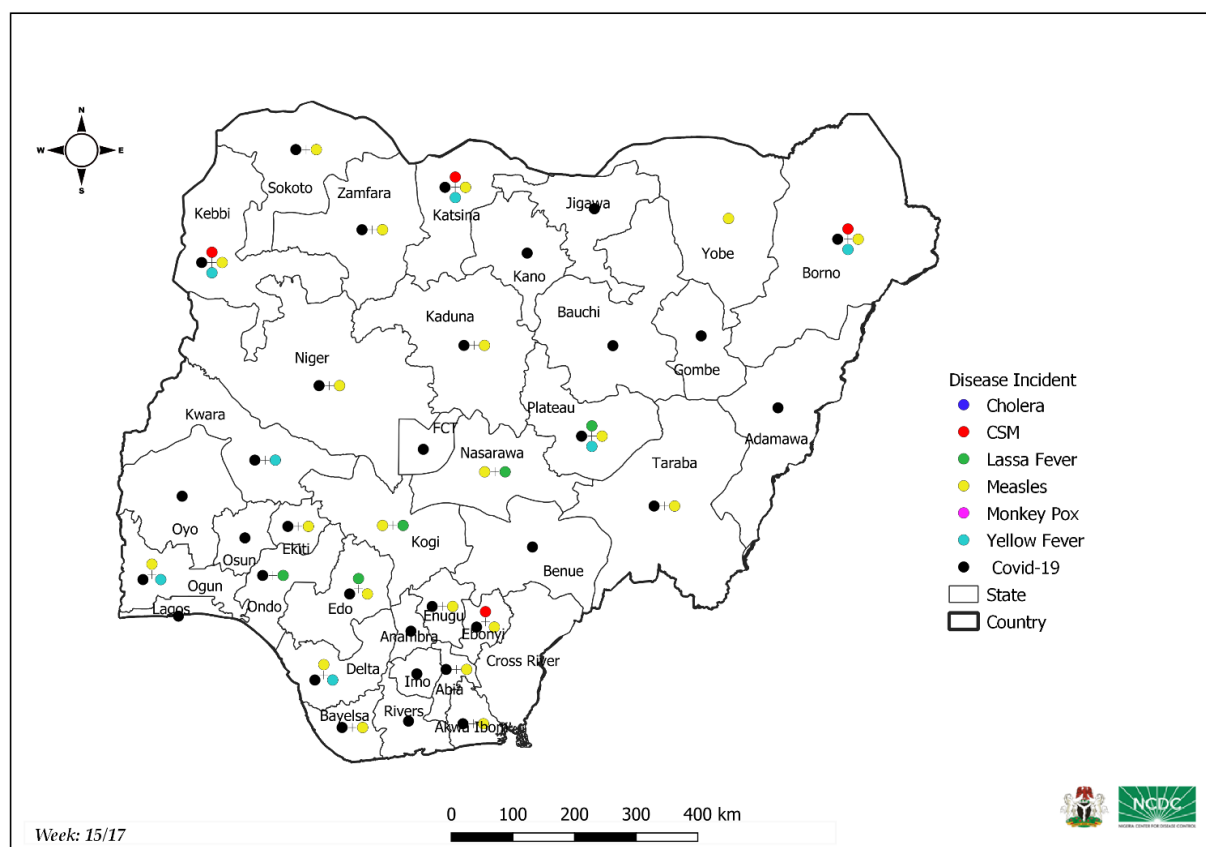
Summary of Incidents

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 15: 6th April – 12th April 2020 (Week 17: 20th – 26th April for COVID-19)

Lassa Fever _{1,2}	Cerebrospinal Meningitis (CSM) _{3,4}	Yellow Fever _{3,4}
99 Suspected case(s)	11 Suspected case(s)	24 Suspected case(s)
10 Confirmed case(s)	0 Confirmed case(s)	0 Confirmed case(s)
0 Death(s)	0 Death(s)	0 Death(s)
Cholera _{3,4}	Measles _{3,4}	Monkeypox _{1,4}
0 Suspected case(s)	632 Suspected case(s)	0 Suspected case(s)
0 Confirmed case(s)	0 Confirmed case(s)	0 Confirmed case(s)
0 Death(s)	1 Death(s)	0 Death(s)
Acute Flaccid Paralysis (AFP) _{3,4}	National Sentinel influenza surveillance ₅	COVID19 (up till Week 17)
48 Suspected case(s)	0 Suspected case(s)	11426 Suspected case(s)
0 Confirmed case(s)	0 Confirmed case(s)	1273 Confirmed case(s)
		40 Death(s)

Timeliness of reports ₃	Completeness of reports ₃
89.2% Last 4 weeks	91.9% Last 4 weeks
88.5% Year to date	96.8% 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 15

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
99	10	0	State: 5 LGA: 6

Year to date (week 1 – 14)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
2217	4386	540	973	122	188	22.6%	19.3%

Figure 1: Number of suspected and confirmed cases of Lassa Fever, Nigeria, Week 1 – 15, 2020

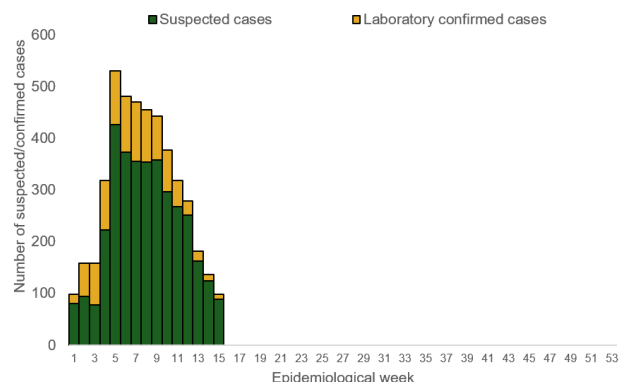
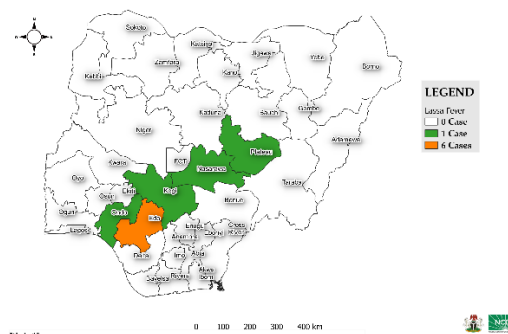


Figure 2: Location of confirmed cases of Lassa Fever by state, Nigeria, week 15, 2020



Key points

- There were 99 suspected cases, ten confirmed cases and no death was recorded from six LGAs in five states

Actions

To date:

- National Emergency Operations Centre (EOC) has been activated to coordinate response activities across states
- Public Health Emergency Operations Centre activated in affected states
- National Rapid Response Teams (RRT) have been deployed to ten states
- Surge staff (Doctors, Nurses, Laboratorians and Hygienist) have been deployed to Irrua Specialist Teaching Hospital (ISTH) and Federal Medical Centre (FMC) Owo
- 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 turnaround time
- The NCDC continues to work closely with states to identify one treatment centre per state, while supporting existing ones required commodities Risk communications and community engagement activities have been scaled up across states using television, radio, print, social media and other strategies

Cerebrospinal Meningitis (CSM)

Week 15

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
11	0	0	State: 4 LGA: 8

Year to date (week 1 – 15)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
1228	222	107	0	85	3	6%	1.4%

Figure 3: Number of suspected and confirmed cases of CSM, Nigeria, week 1 – 15, 2020

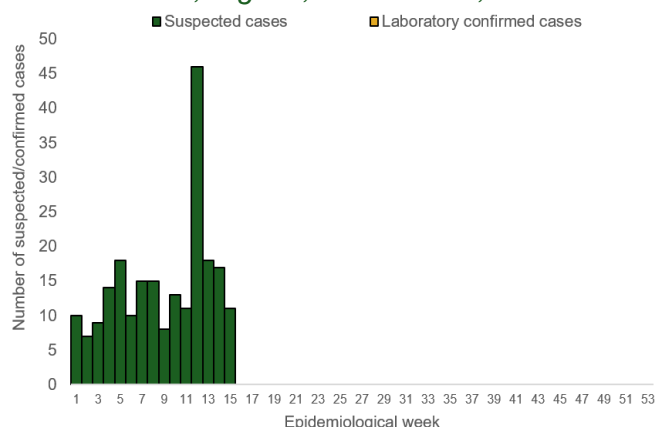
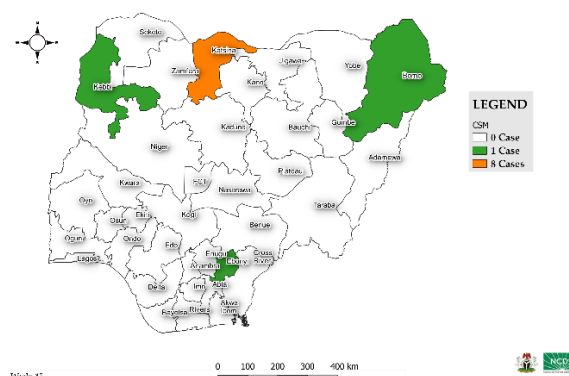


Figure 4: Location of suspected cases of CSM by State, Nigeria, week 15, 2020



Key points

There were 11 suspected cases of Cerebrospinal Meningitis (CSM) reported from eight LGAs in four states (Borno – 1, Ebonyi – 1, Katsina – 8 & Kebbi – 1). None was laboratory confirmed and no death was 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 15

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
24	0	0	State: 7 LGA: 21

Year to date (week 1 – 15)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
718	695	12	6	1	0	0.1%	0%

Figure 5: Number of suspected and confirmed cases of Yellow Fever, Nigeria, week 1 – 15, 2020

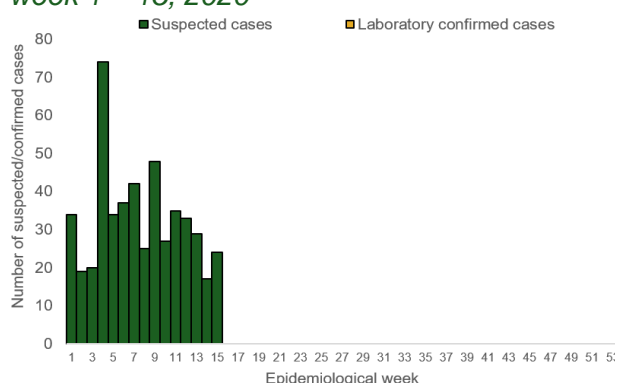
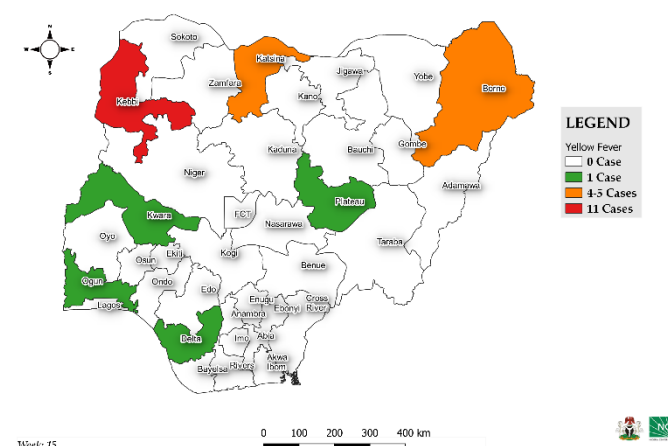


Figure 6: Location of suspected cases of Yellow Fever by State, Nigeria, week 15, 2020



Key points

- There were 24 suspected cases of Yellow Fever (YF) reported from 21 LGAs in seven 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 are ongoing

Cholera

Week 15

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

Year to date (week 1 – 15)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
679	749	9	0	30	31	6%	4.1%

Figure 7: Number of suspected and confirmed cases of Cholera, Nigeria, week 1 – 15, 2020

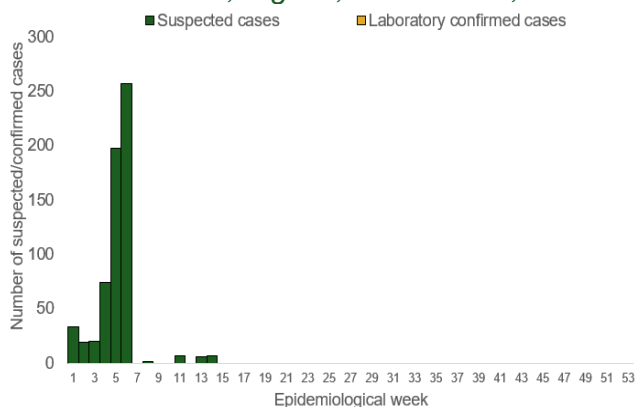
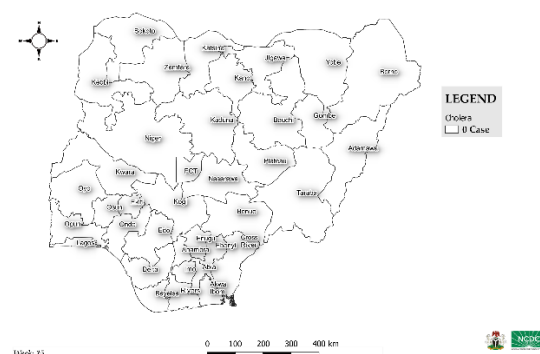


Figure 8: Location of suspected cases of Cholera by State, Nigeria, week 15, 2020



Key points

- There was 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

Planned:

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

Measles

Week 15

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
632	0	1	State: 21 LGA: 113

Year to date (week 1 – 15)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
20145	11574	757	636	44	45	0.22%	0.4%

Figure 9: Number of suspected and confirmed cases of Measles, Nigeria, week 1 – 15, 2020

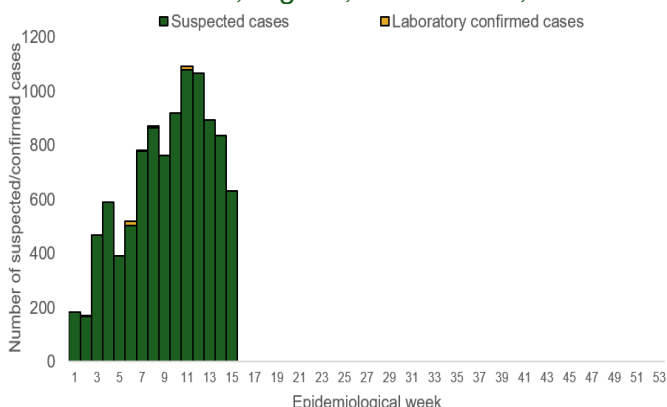
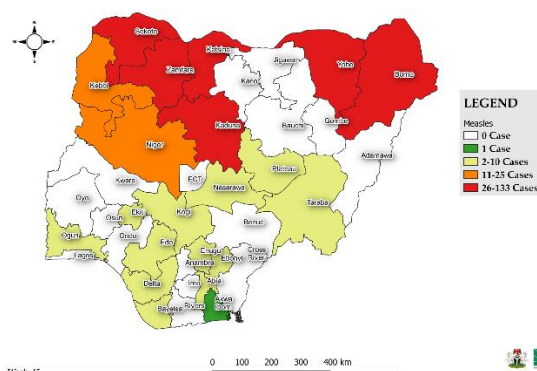


Figure 10: Location of suspected cases of Measles by State, Nigeria, week 15, 2020



Key points

- There were 632 suspected cases of Measles reported from 113 LGAs in 21 states. None was laboratory confirmed and one 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 15

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

Year to date (week 1 – 15)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
15	14	9	3	0	0	0%	0%

Figure 11: Number of suspected and confirmed cases of Monkeypox, Nigeria, week 1 – 15, 2020

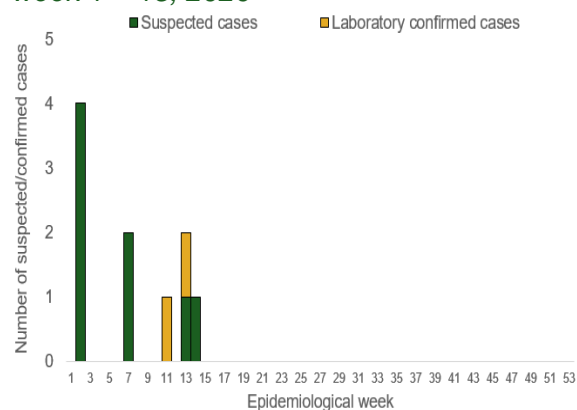
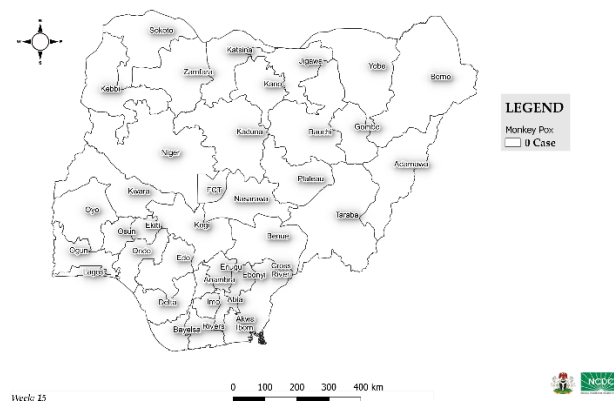


Figure 12: Location of suspected cases of Monkeypox by State, Nigeria, week 15, 2020



Key points

- There was no suspected case of monkeypox reported this week.

Actions

To date

- The 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 15

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
48	0	0	State: 22 + FCT LGA: 44

Year to date (week 1 – 15)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
1930	1182	0	0	0	0	0%	0%

Figure 13: Number of suspected and confirmed cases of AFP, Nigeria, week 1 – 15, 2020

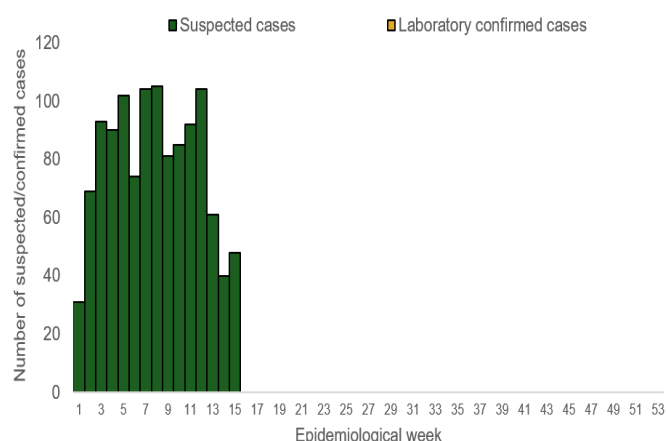
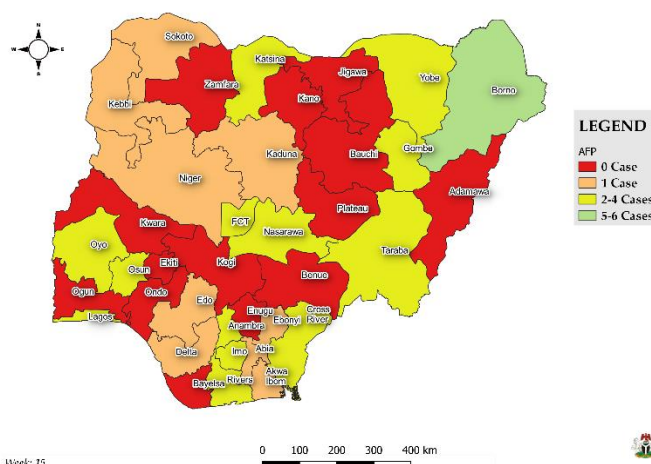


Figure 14: Location of suspected cases of AFP by State, Nigeria, week 15, 2020



Key points

- There were 48 suspected cases of AFP reported from 44 LGAs in 22 states and FCT. None was laboratory confirmed and no death was recorded

Corona virus disease (COVID-19)

Up till Week 17

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
11426	1273	40	State: 32+FCT LGA:

Year to date (week 1 – 15)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
0	11426	0	1273	0	40	0	3%

Figure 15: Number of suspected and confirmed cases of COVID-19, Nigeria, week 1 – 17, 2020

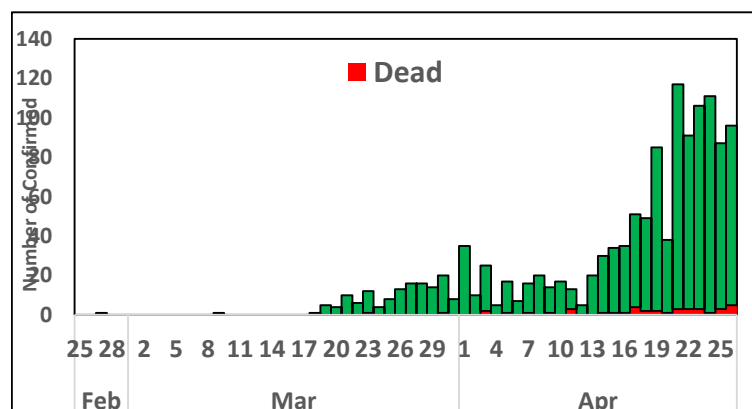
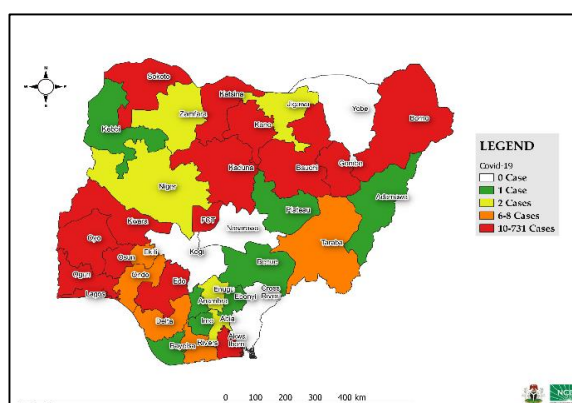


Figure 16: Location of suspected cases of COVID-19 by State, Nigeria, as at week 17, 2020



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 fourteen (14) COVID-19 diagnostic capacities*
- National Rapid Response Team continues to support affected states
- Provide training support across all pillars of response to affected states
- Continues to deploy 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
- Continue to establish surge capacities across all response pillars

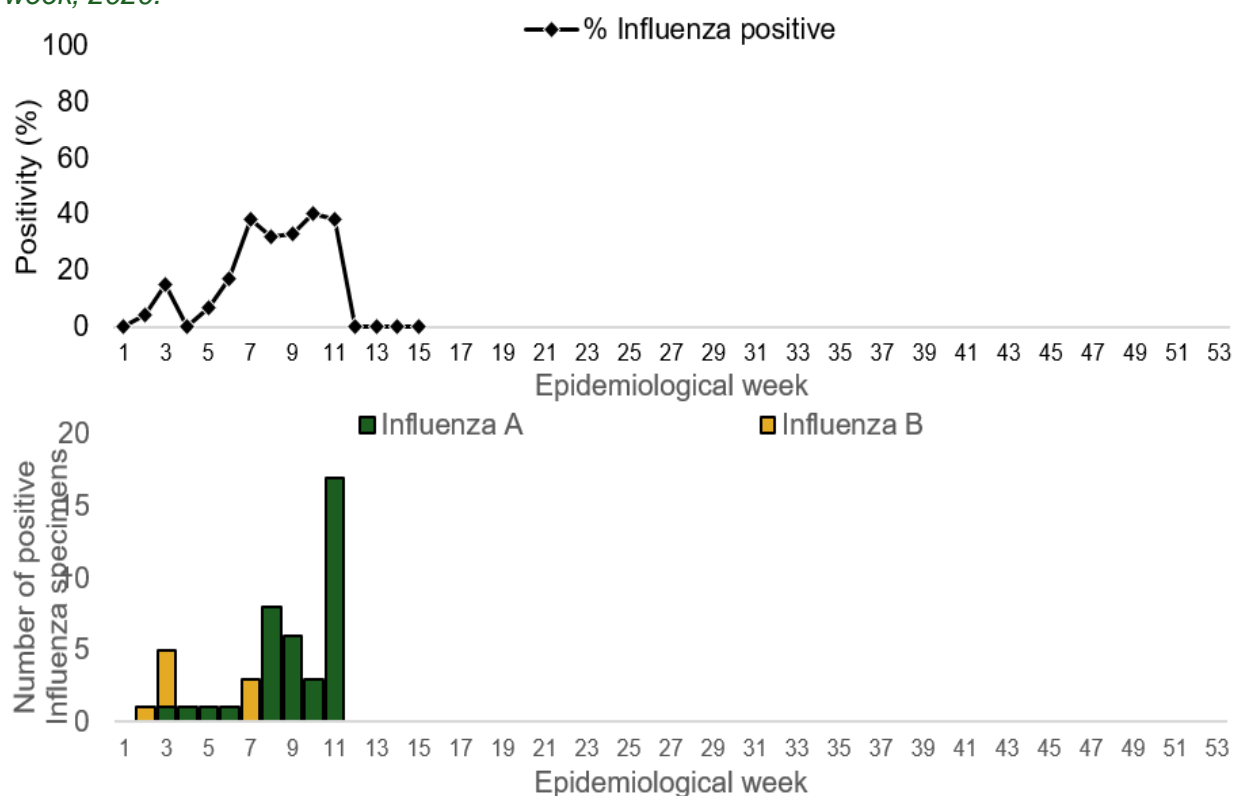
National Influenza Sentinel Surveillance

Year to date (week 1 – 15)

	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.



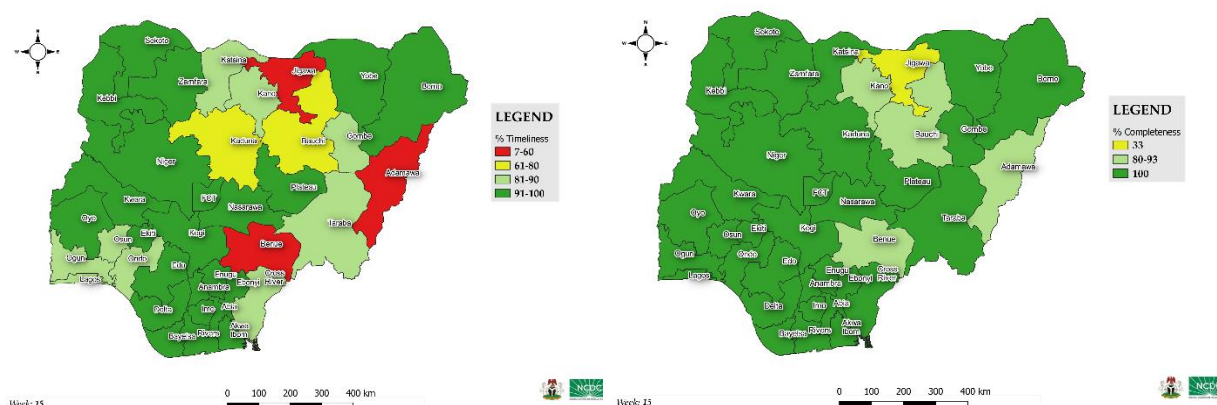
Key points

- 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 sample, 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 (12 – 15, 2020)

Figure 16: A – Timeliness by State (%); B – Completeness by State (%), weeks 12 - 15, 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 12 – 15	Year to date Week 1 - 15
Reports sent on time	132	491
Reports sent late	4	46
Reports not received	12	18
Timeliness	89.2%	88.5%
Completeness	91.9%	96.8%

States with reports not received in 2020 (week 1 – 15)

State	Week(s) report not received
Adamawa	13, 14 & 15
Bauchi	13, 14 & 15
Benue	15
Jigawa	6, 7, 8, 9, 10, 11, 12, 13, 14 & 15
Kano	15

Timeliness and Completeness of Reports by State

Year to date (week 1 – 15)

State	Timeliness (%)	Completeness (%)
Abia	93	100
Adamawa	27	80
Akwa Ibom	93	100
Anambra	93	100
Bauchi	73	80
Bayelsa	100	100
Benue	60	93
Borno	100	100
Cross River	87	100
Delta	100	100
Ebonyi	93	100
Edo	100	100
Ekiti	100	100
Enugu	100	100
FCT	100	100
Gombe	87	100
Imo	100	100
Jigawa	7	33
Kaduna	80	100
Kano	87	93
Katsina	87	100
Kebbi	100	100
Kogi	100	100
Kwara	93	100
Lagos	87	100
Nasarawa	100	100
Niger	100	100
Ogun	87	100
Ondo	87	100
Osun	87	100
Oyo	93	100
Plateau	100	100
Rivers	100	100
Sokoto	93	100
Taraba	87	100
Yobe	100	100
Zamfara	93	100