



Nigeria Centre for Disease Control

Protecting the health of Nigerians

Weekly Epidemiological Report

Week 45: 2nd – 8th November 2020

Highlight of the Week

Responding to Yellow Fever Outbreak in Nigeria



The Nigeria Centre for Disease Control (NCDC) has the mandate to lead the preparedness, detection and response to infectious disease outbreaks and public health emergencies. In line with this, NCDC has been leading the public health response to the ongoing COVID-19 outbreak in Nigeria as well as maintaining continued epidemic intelligence around other epidemic-prone diseases such as yellow fever (YF), cholera, Lassa fever (including other viral haemorrhagic fevers), measles, cholera etc.

On the 1st and 2nd of November, the Delta and Enugu State Ministries of Health, respectively, notified the NCDC of clusters of cases and deaths - with cases having symptoms such as fever, bloodshot eyes, convulsions etc. In a swift response to this, samples from the states were sent to the NCDC National Reference Laboratory (NRL) and confirmed positive for yellow fever. This was followed by the immediate deployment of rapid response teams (RRTs) and activation of a national multi-sectoral emergency operations centres (EOCs) to support outbreak investigations and response activities in the affected states. The EOCs in affected states have also been activated for state-level coordination and synergy with the national EOC.

As of 22nd November 2020, a total of 40 cases have been confirmed with 10 deaths recorded in Delta, Enugu, Bauchi, Benue and Ebonyi States. The NCDC is currently supporting affected state to:

1. Enhance active case search and other surveillance activities
2. Intensify risk communication and sensitise the public on preventive measures for yellow fever
3. Transport samples from the affected states to the six in-country laboratories for YF serology testing
4. Support infection prevention and control activities and provide case management guidelines

Following further risk assessments, alerts have been sent to states sharing boundaries with the outbreak LGAs i.e. Edo, Kogi, Jigawa and Gombe States. These States are strongly advised to intensify surveillance and risk communication activities towards curtailing further spread of the disease.

Yellow fever is a vaccine-preventable disease and the YF vaccine is available for free in all primary healthcare centres in Nigeria as part of the routine childhood immunisation schedule. It is very important that Nigerians ensure their children receive the yellow fever vaccine which provides safety against the disease for life. NCDC is working collaboratively with NPHCDA to conduct reactive and accelerated yellow fever mass campaign. If you are unsure of your vaccination status, please visit a health facility and request for the yellow fever vaccine. The virus is spread by mosquito bites, so it is important to protect yourself from mosquito bites.

Finally, please protect yourself and your families by keeping your environment clean, covering your food to prevent contact with rodents, washing your hands regularly and adhering to public health guidance. If you feel ill, please avoid self-medication and visit a health facility.

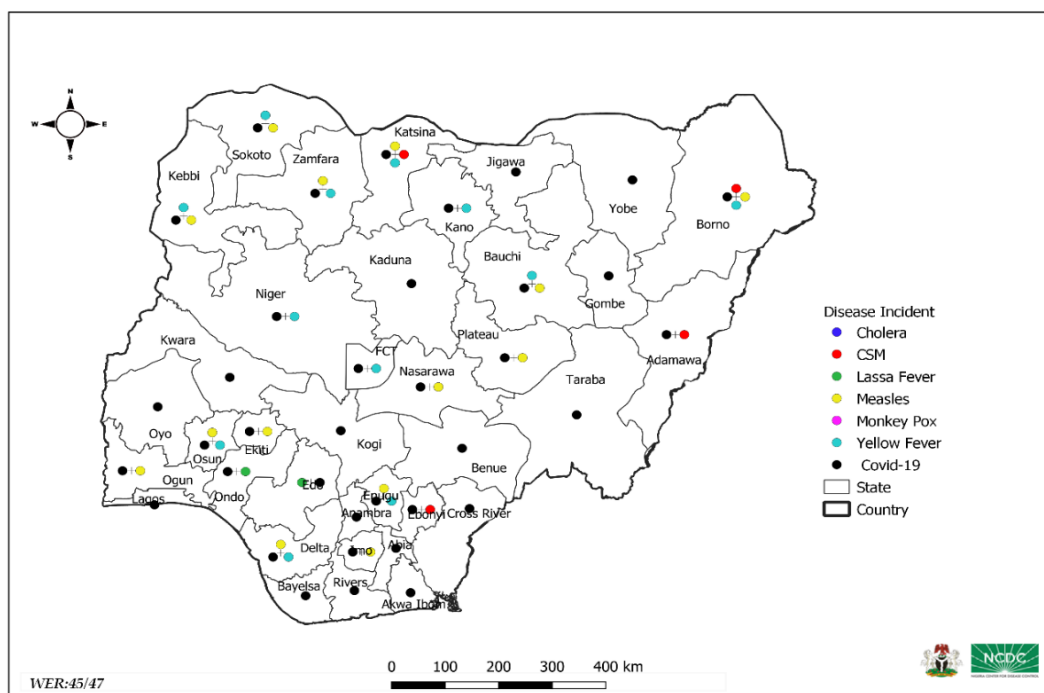
Summary of Incidents

Ongoing incidents

2

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

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



Data Source: SITAware

Summary

Week 45: 2nd – 8th November 2020 (Coronavirus Disease as at 22nd November 2020)

Lassa Fever _{1,2}	Cerebrospinal Meningitis (CSM) _{3,4}	Yellow Fever _{3,4}
98 Suspected case(s) 5 Confirmed case(s) 1 Death(s)	10 Suspected case(s) 0 Confirmed case(s) 0 Death(s)	48 Suspected case(s) 10 Confirmed case(s) 0 Death(s)
Cholera _{3,4}	Measles _{3,4}	Monkeypox _{1,4}
0 Suspected case(s) 0 Confirmed case(s) 0 Death(s)	139 Suspected case(s) 2 Confirmed case(s) 0 Death(s)	0 Suspected case(s) 0 Confirmed case(s) 0 Death(s)
Acute Flaccid Paralysis (AFP) _{3,4}	National Sentinel influenza surveillance ₅	Coronavirus Disease as at week 47 ₂
99 Suspected case(s) 0 Confirmed case(s)	0 Suspected case(s) 0 Confirmed case(s)	745,744 Suspected case(s) 66,383 Confirmed case(s) Death(s)

Timeliness of reports ₃	Completeness of reports ₃
97.3% Last 4 weeks	97.3% Last 4 weeks
92.5% Year to date	98.6% 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 45

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
98	5	1	State: 2 LGA: 2

Year to date (week 1 – 45)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
4500	6161	764	1136	160	234	20.9%	20.6%

Figure 1: Number of suspected and confirmed cases of Lassa Fever, Nigeria, Weeks 1 – 45, 2020

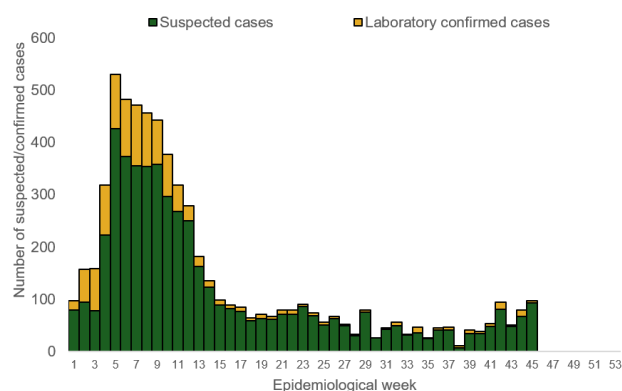
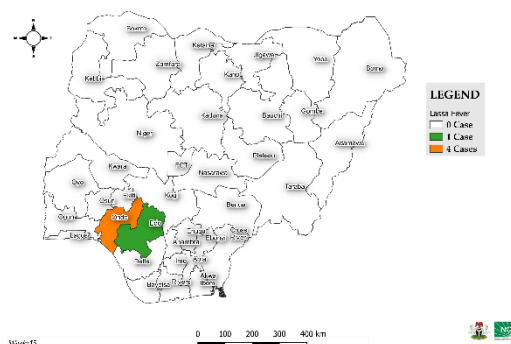


Figure 2: Location of **confirmed** cases of Lassa Fever by State, Nigeria, week 45, 2020



Key points

- There were 98 suspected cases, five were laboratory confirmed and one death was recorded from two LGAs in two States

Actions

To date:

- National Lassa fever multi-partner, multi-sectoral Technical Working Group (TWG) continues to coordinate the response activities at all levels
- Enhanced surveillance (contact tracing and active case finding) ongoing in affected States
- No new Healthcare worker was affected in the reporting week 45.

Planned:

- Continue mobilisation of resources

Cerebrospinal Meningitis (CSM)

Week 45

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
10	0	0	State: 4 LGA: 5

Year to date (week 1 – 45)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
2014	588	126	14	103	11	5.1%	1.9%

Figure 3: Number of suspected and confirmed cases of CSM, Nigeria, weeks 1 – 45, 2020

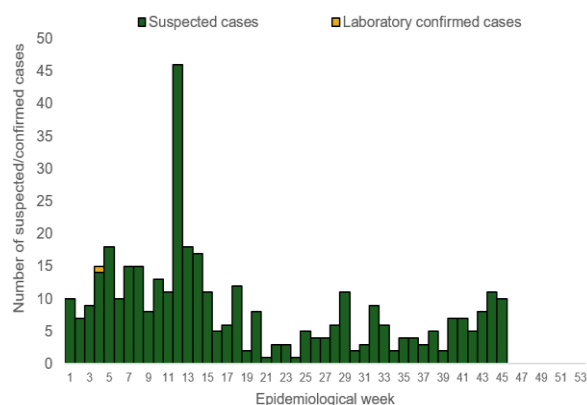
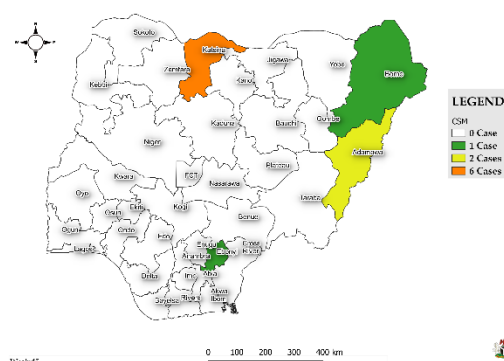


Figure 4: Location of suspected cases of CSM by State, Nigeria, week 45, 2020



Key points

There were 10 suspected cases of Cerebrospinal Meningitis (CSM) reported from five LGAs in four States (Adamawa – 2, Borno – 1, Ebonyi - 1 & Katsina – 6). 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 45

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
48	10	0	State: 11 + FCT LGA: 25

Year to date (week 1 – 45)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
3620	2473	144	37	150	2	4.1%	0.1%

Figure 5: Number of suspected and confirmed cases of Yellow Fever, Nigeria, weeks 1 – 45, 2020

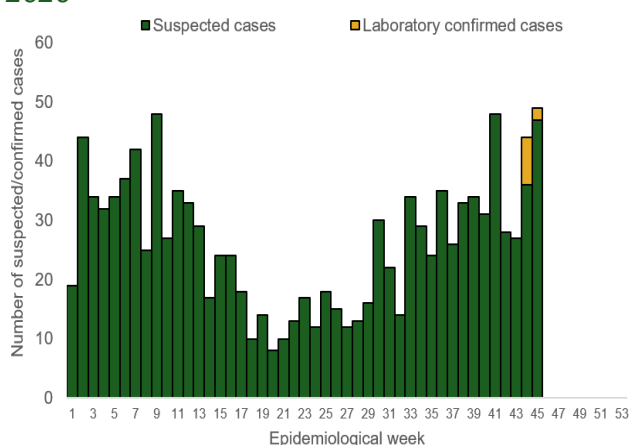
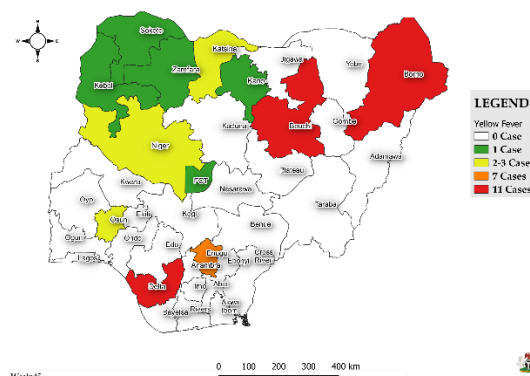


Figure 6: Location of suspected cases of Yellow Fever by States, Nigeria, week 45, 2020



Key points

- There were 48 suspected cases of Yellow Fever (YF) reported from 25 LGAs in 11 States and FCT. There were ten laboratory confirmed cases and no death was recorded

Actions

To date:

- National COVID-19 multi-partner Emergency Operations Centre (EOC) continues to coordinate response activities across states

Planned:

- Finalise ICG request for reactive mass vaccination in Enugu and Bauchi States
- Print IEC materials and distribute to States to sensitise communities and increase awareness for YF
- Continue to support affected states across all pillars of response
- Continue harmonisation of surveillance and laboratory data ongoing

Cholera

Week 45

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

Year to date (week 1 – 45)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
3378	1743	574	55	57	95	1.7%	5.5%

Figure 7: Number of suspected and confirmed cases of Cholera, Nigeria, weeks 1 – 45, 2020

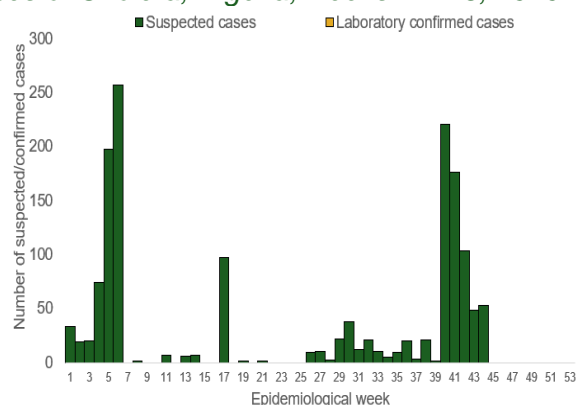
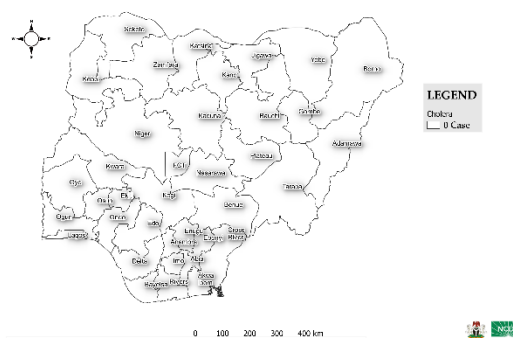


Figure 8: Location of suspected cases of Cholera by State, Nigeria, week 45, 2020



Key points

- There was no suspected case of cholera in the reporting week

Actions

To date

- National Cholera Multi-Sectoral Technical Working Group (TWG) is monitoring all States and supporting affected States

Planned:

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

Measles

Week 45

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
139	2	0	State: 14 LGA: 52

Year to date (week 1 – 45)

Suspected cases	Confirmed cases	Deaths	CFR
2019 2020	2019 2020	2019 2020	2019 2020
57707 24736	12236 2428	287 131	21% 0.5%

Figure 9: Number of suspected and confirmed cases of Measles, Nigeria, weeks 1 – 45, 2020

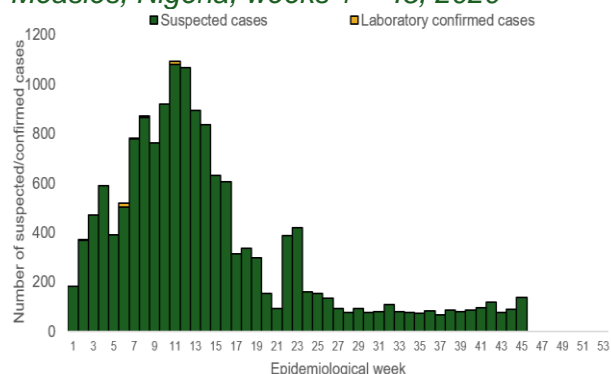
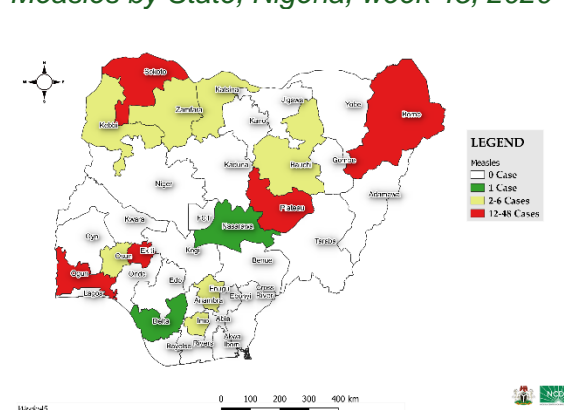


Figure 10: Location of suspected cases of Measles by State, Nigeria, week 45, 2020



Key points

- There were 139 suspected cases of measles reported from 52 LGAs in 14 states. Two were laboratory confirmed and no death was recorded

Actions

To date

- National Measles TWG is closely monitoring measles surveillance data and providing feedback to relevant agencies and development partners
- Weekly surveillance and laboratory data harmonisation ongoing

Planned:

- Intensify follow up with States to update and transmit line list
- Continue monthly measles surveillance data review

Monkeypox

Week 45

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

Year to date (week 1 – 45)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
102	30	43	6	2	0	2%	0%

Figure 11: Number of suspected and confirmed cases of Monkeypox, Nigeria, weeks 1 – 45, 2020

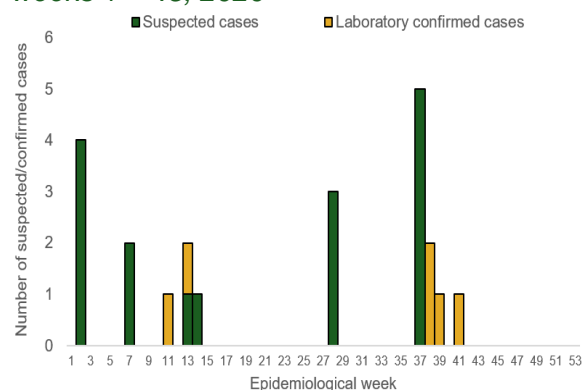
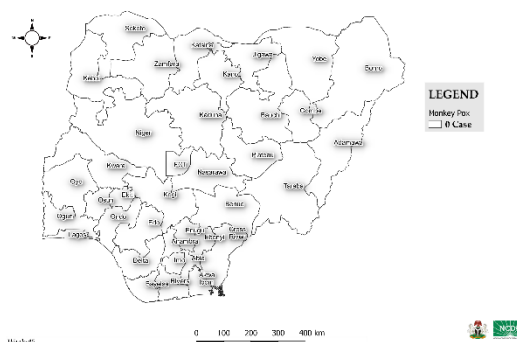


Figure 12: Location of suspected cases of Monkeypox by State, Nigeria, week 45, 2020



Key points

- There was no suspected case of Monkeypox in the reporting week.

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 45

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
99	0	0	State: 26 + FCT LGA: 87

Year to date (week 1 – 45)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
5664	3937	0	0	0	0	0%	0%

Figure 13: Number of suspected and confirmed cases of AFP, Nigeria, weeks 1 – 45, 2020

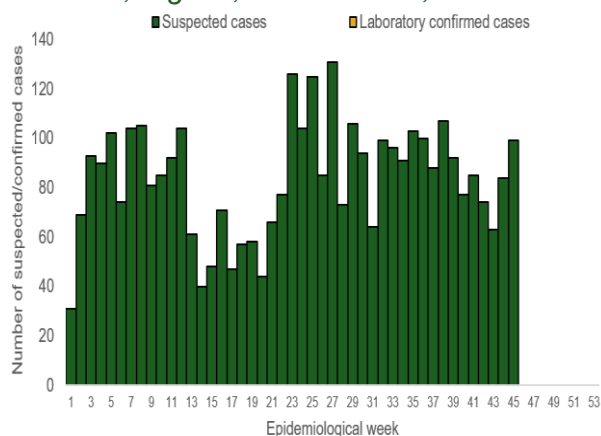
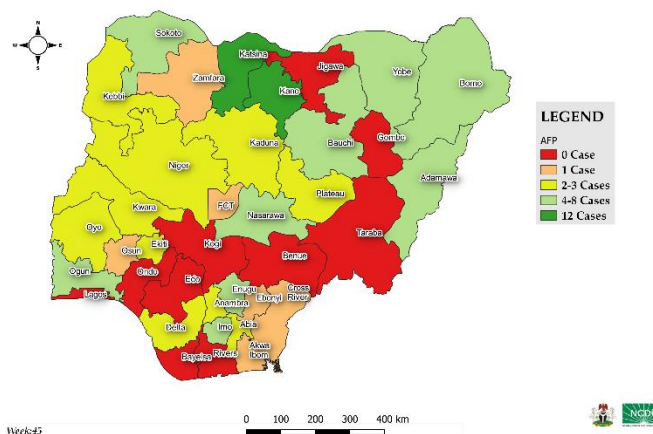


Figure 14: Location of suspected cases of AFP by State, Nigeria, week 45, 2020



Key points

- There were 99 suspected cases of AFP reported from 87 LGAs in 26 States and FCT. None was laboratory confirmed and no death was recorded

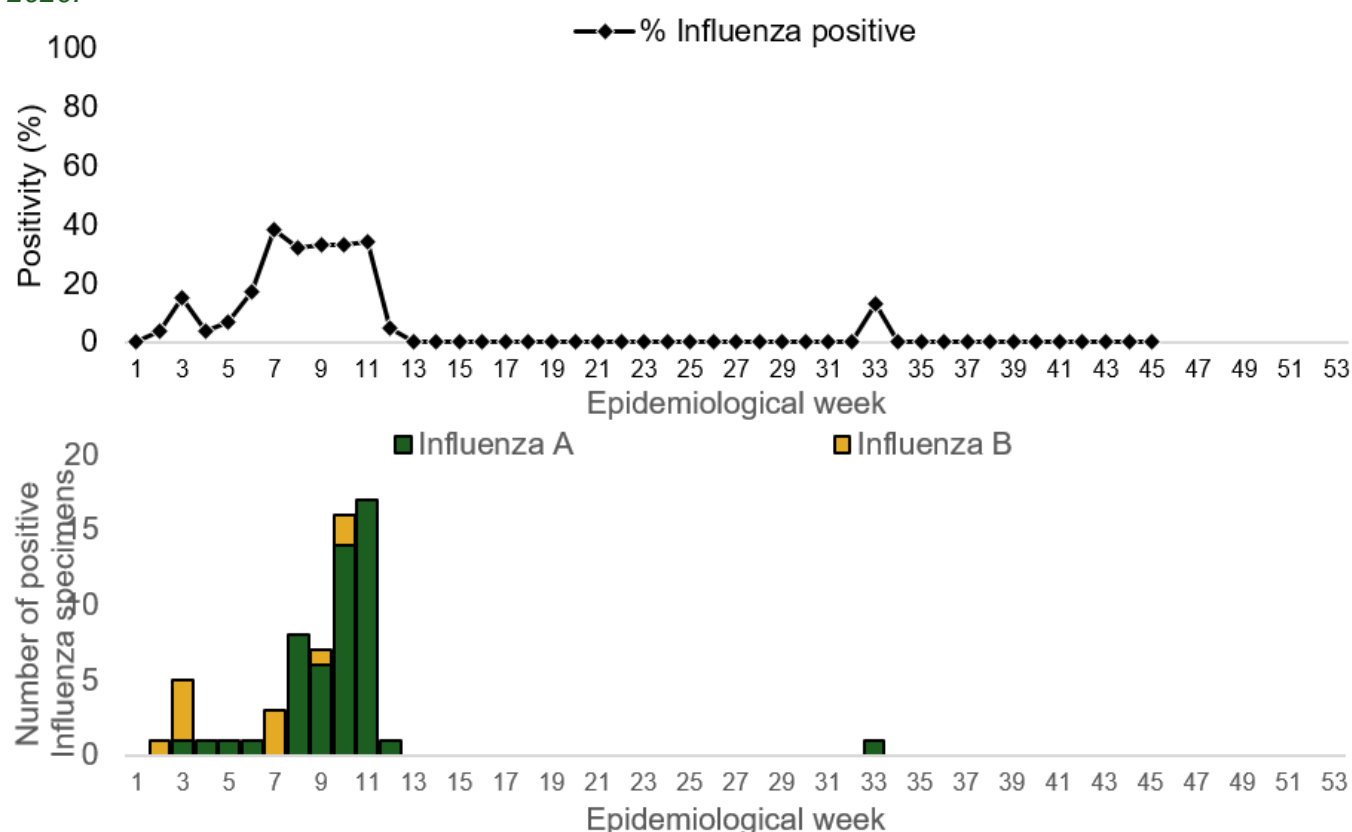
National Influenza Sentinel Surveillance

Year to date (week 1 – 45)

	Suspected cases	Suspected ILI	Suspected SARI
Number (Percentage)	407	326 (80.1%)	81 (19.9%)

	Confirmed cases		Confirmed ILI		Confirmed SARI	
	Influenza A	Influenza B	Influenza A	Influenza B	Influenza A	Influenza B
Number	54	11	44	8	9	3
Positivity (%)	83.1%	16.9%	13.5%	2.5%	11.1%	3.7%

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%), 17(31.5%) and 37(68.5%) of the total influenza A positive samples respectively. The subtypes B VICTORIA, B Not subtyped and B Yamagata account for 3(27.3%), 8(72.7%) and 0(0.0%) of the total Influenza B positive samples respectively
- The percentage Influenza positive was highest in week 7 with 37.5%.

Coronavirus Disease (COVID-19)

As at week 47

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
745,744	66,383	1,167	State: LGA:

Figure 15: Epidemic curve of confirmed cases of COVID-19, Nigeria, week 1 – 47, 2020

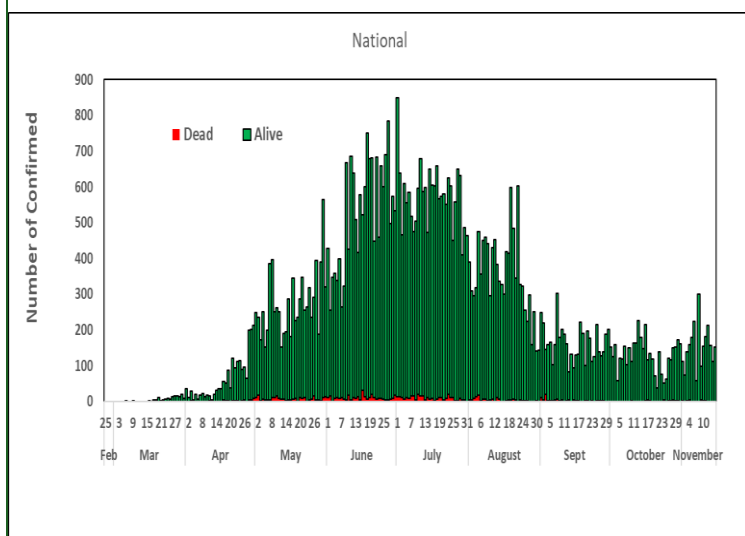
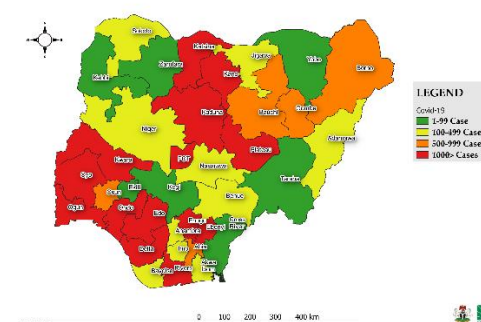


Figure 16: Location of **confirmed** cases of COVID-19 by State, Nigeria, as at week 47, 2020



Actions

To date:

- National COVID-19 multi-partner Emergency Operations Centre (EOC) continues to coordinate response activities across states
- Commenced the deployment of additional 39 community volunteers in each State to strengthen ongoing response to COVID-19 with support from partners
- Ongoing testing of corps members and officials in NYSC orientation camps nation wide
- Conducted hand hygiene baseline assessment across various health facilities under Orange Network
- Ongoing data harmonisation and management
- Organised webinar for corps members on familiarisation with camp safety protocols

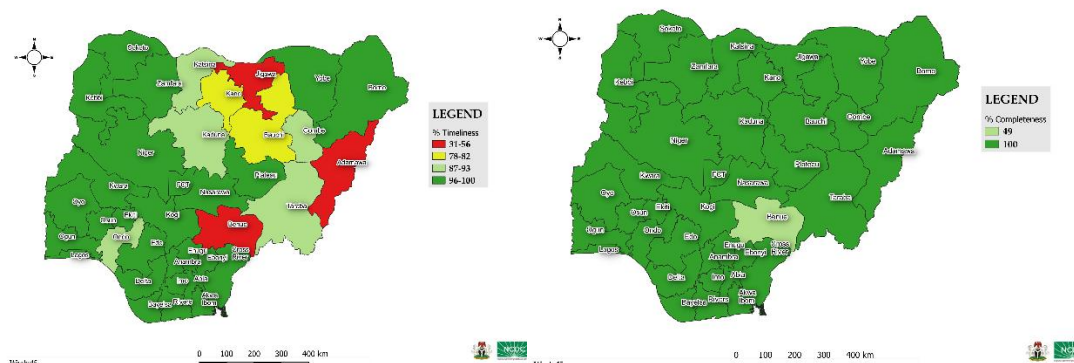
Planned:

- Finalise plans with PTF on testing 450 persons per Local Government Area (LGA) in a survey
- Conduct e-fresher courses training for IPC trainers
- Develop plan routine testing for COVID-19
- Follow up and assessment of hand hygiene facilities under the Orange Network programme
- Finalise laboratory quality assurance plan

Timeliness and Completeness of Reports

Last 4 weeks (42 – 45, 2020)

Figure 16: A – Timeliness by State (%); B – Completeness by State (%), weeks 42 - 45, 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 42 – 45	Year to date Week 1 – 45
Reports sent on time	144	1540
Reports sent late	0	102
Reports not received	4	23
Timeliness	97.3%	92.5%
Completeness	97.3%	98.6%

States with reports not received in 2020 (week 1 – 45)

State	Week(s) report not received
Benue	21, 22, 23, 24, 25, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44 & 45

Timeliness and Completeness of Reports by State

Year to date (week 1 – 45)

State	Timeliness (%)	Completeness (%)
Abia	98	100
Adamawa	56	100
Akwa Ibom	98	100
Anambra	98	100
Bauchi	82	100
Bayelsa	100	100
Benue	31	49
Borno	98	100
Cross River	96	100
Delta	100	100
Ebonyi	98	100
Edo	100	100
Ekiti	100	100
Enugu	100	100
FCT	100	100
Gombe	93	100
Imo	100	100
Jigawa	56	100
Kaduna	93	100
Kano	78	100
Katsina	91	100
Kebbi	100	100
Kogi	100	100
Kwara	98	100
Lagos	96	100
Nasarawa	100	100
Niger	100	100
Ogun	96	100
Ondo	87	100
Osun	96	100
Oyo	98	100
Plateau	100	100
Rivers	100	100
Sokoto	98	100
Taraba	93	100
Yobe	100	100
Zamfara	98	100