



Nigeria Centre for Disease Control
Protecting the health of Nigerians

Weekly Epidemiological Report

Week 14: 1st - 7th April 2019

Highlight of the Week

STRENGTHENING NIGERIA PUBLIC HEALTH WORKFORCE FOR EPIDEMIC PREPAREDNESS AND RESPONSE



The Nigeria Centre for Disease Control (NCDC) prioritises public workforce development through diverse strategies. We are working towards achieving the global goal of one trained field epidemiologist (or its equivalent) to 200,000 populations. Such strategies include various levels of the Nigeria Field Epidemiology and Laboratory Training Programme (FELTP) and more recently, internship programmes.

The NCDC's post graduate internship programme is targeted at graduates with a background in health sciences, as well as a stream for Community Medicine Senior Registrars. The goal is to equip these public health trainees with practical exposures in public health, especially in field epidemiology aspects of outbreak response.

We are pleased to have recently completed a 10-week pilot internship programme for the first cohort of Community Medicine Senior Registrars in NCDC, which started on the 4th of February, 2019. The registrars are currently studying in three tertiary teaching hospitals in Nigeria. The programme provided the trainees a unique opportunity to gain competencies in areas such as incident management system, field investigation in response to outbreaks; emergency risk assessment; antimicrobial resistance; simulation exercises; leadership and diplomacy in public health; scientific writing etc. All trainees were part of field activities and acted as Incident Managers at the Emergency Operations Centre. One trainee said *'I always thought it was easy to lead a meeting, Now I know better- we need to learn these soft skills to become leaders'*.

Given the success of this first cohort, the NCDC is committed to working with tertiary institutions in Nigeria, to raise a strong workforce for our health security. More information on this can be found on the NCDC website via <https://ncdc.gov.ng/internship>.

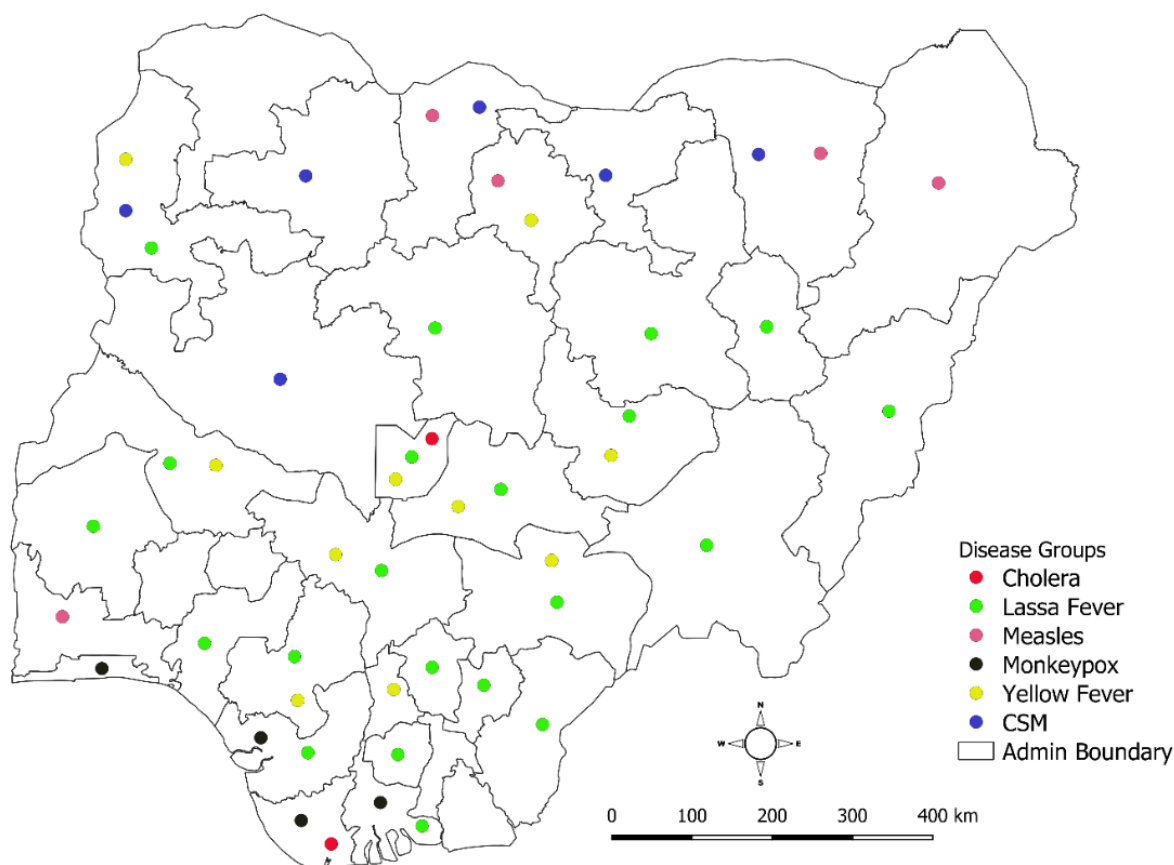
Summary of Incidents

Ongoing incidents

3

* Ongoing Incidents are defined as confirmed cases where a national EOC or equivalent has been activated (EOC is currently activated for Lassa fever, Cerebrospinal meningitis and Measles)

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



Report Summary for Epidemic-prone Diseases: Week 14

Week 14: 1st – 7th April 2019

| Lassa Fever_{1,2} | Cerebrospinal Meningitis (CSM)_{3,4} | Yellow Fever_{3,4} |
|---|---|--|
| 63 Suspected cases | 66 Suspected cases | 53 Suspected cases |
| 11 Confirmed cases | 0 Confirmed cases | 0 Confirmed cases |
| 1 Death | 1 Deaths | 0 Deaths |
| Cholera_{3,4} | Measles_{3,4} | Acute Flaccid Paralysis (AFP)_{3,4} |
| 12 Suspected cases | 2051 Suspected cases | 137 Suspected cases |
| 0 Confirmed cases | 0 Confirmed cases | 0 Confirmed Polio |
| 0 Deaths | 8 Deaths | 0 |
| National Sentinel influenza surveillance₅ | Timeliness of reports₃ | Completeness of reports₃ |
| 9 Suspected cases | 93% Last 4 weeks | 98% Last 4 weeks |
| 3 Confirmed cases | 93% Year to date | 99% 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 14

| Suspected cases | Confirmed cases | Deaths | Number of States and LGAs affected |
|-----------------|-----------------|--------|------------------------------------|
| 63 | 11 | 1 | State: 5 LGA: 12 |

Year to date (week 1 –14)

| Suspected cases | | Confirmed cases | | Deaths | | CFR | |
|-----------------|------|-----------------|------|--------|------|------|-------|
| 2018 | 2019 | 2018 | 2019 | 2018 | 2019 | 2018 | 2019 |
| 719 | 787 | 408 | 537 | 102 | 122 | 25% | 22.7% |

Figure 1: Number of suspected and confirmed cases of Lassa Fever, Nigeria, week 1 – current week 2019

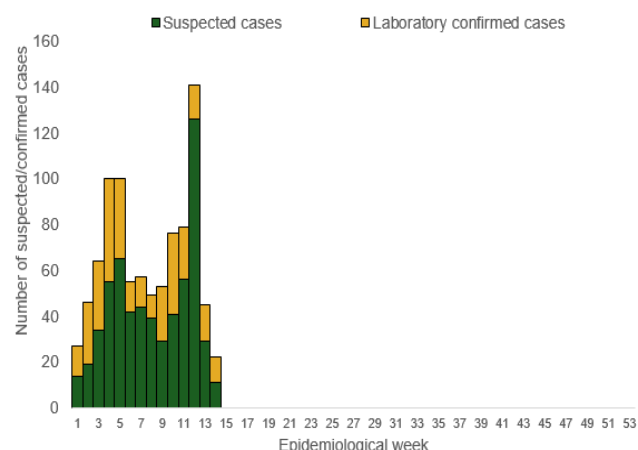
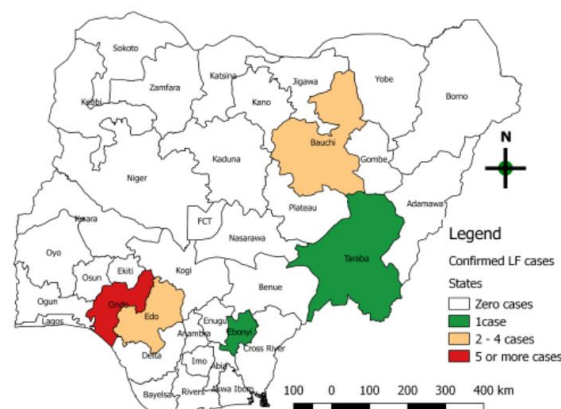


Figure 2: Location of **confirmed** cases of Lassa Fever by State, Nigeria, current week 2019



Key Points

In the reporting week 14, no new health care worker was affected in Plateau state. A total of 17 health care workers have been infected since the onset of the outbreak in seven states – Edo (7), Ondo (3), Ebonyi (2), Enugu (1), Rivers (1), Bauchi (1) Benue (1) and Plateau (1) with two deaths in Enugu and Edo States

Actions

To date:

- Multi sectoral one health national rapid response teams deployed to Taraba and Bauchi states
- National Lassa fever Emergency Operations Centre (EOC) continues to coordinate the response activities at all levels

Cerebrospinal Meningitis (CSM)

Week 14

| Suspected cases | Confirmed cases | Deaths | Number of States and LGAs affected |
|-----------------|-----------------|--------|------------------------------------|
| 66 | 0 | 1 | State: 17 LGA: 44 |

Year to date (week 1 – 14)

| Suspected cases | | Confirmed cases | | Deaths | | CFR | |
|-----------------|------|-----------------|------|--------|------|------|------|
| 2018 | 2019 | 2018 | 2019 | 2018 | 2019 | 2018 | 2019 |
| 2910 | 901 | 288 | 55 | 271 | 51 | 9% | 6% |

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

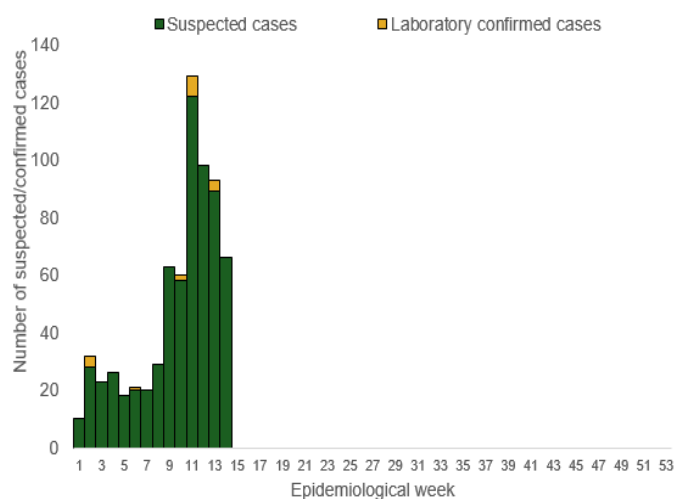
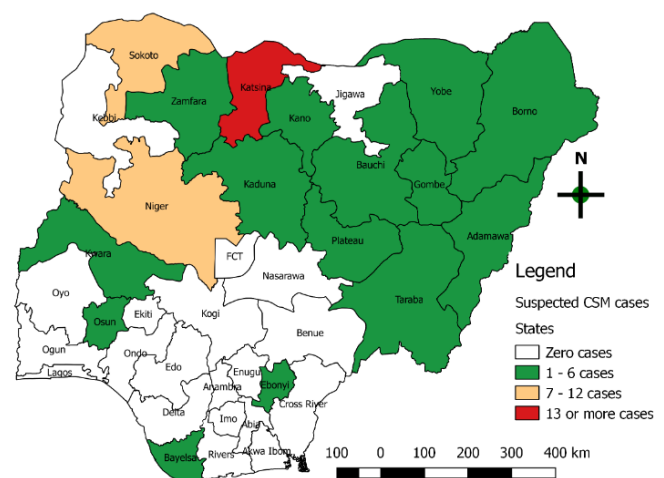


Figure 4: Location of suspected cases of CSM by State, Nigeria, current week 2019



Key Points

Actions

To date:

- The CSM National Emergency Operations Centre (EOC) is on response mode and meets weekly to review the situation
- Training on CSF collection and enhanced surveillance for clinicians and surveillance officers held in Niger State

Planned:

- World Meningitis Day commemoration to take place on 24th April, 2019

Yellow Fever

Week 14

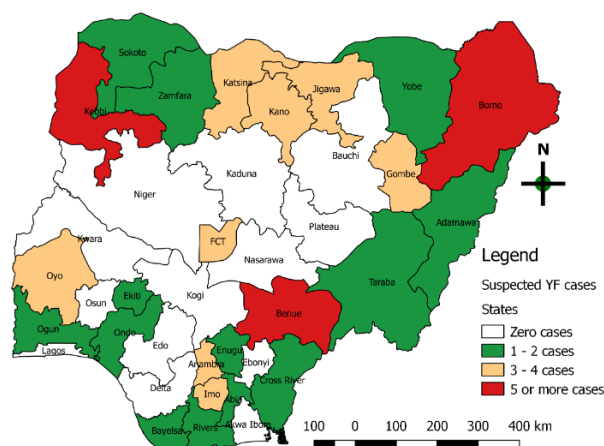
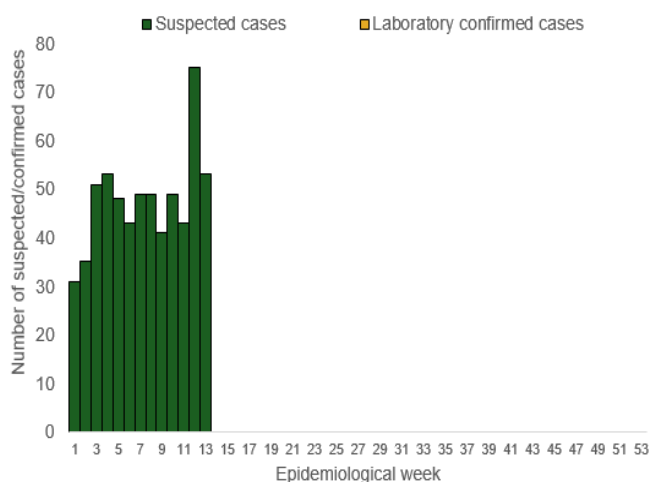
| Suspected cases | Confirmed cases | Deaths | Number of States and LGAs affected |
|-----------------|-----------------|--------|------------------------------------|
| 53 | 0 | 0 | State:24 LGA: 50 |

Year to date (week 1 – 14)

| Suspected cases | | Confirmed cases | | Deaths | | CFR | |
|-----------------|------|-----------------|------|--------|------|------|------|
| 2018 | 2019 | 2018 | 2019 | 2018 | 2019 | 2018 | 2019 |
| 664 | 726 | 8 | 9 | 0 | 1 | 0% | 0.1% |

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

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



Key Points

Actions

To date:

- A multiagency Yellow fever TWG is coordinating response activities
- ICG request for reactive vaccination campaigns has been approved for Edo (5 LGAs), Ondo (7 LGAs) and Delta States (1 LGA)

Planned:

- A 2019 Preventive mass vaccination campaign is to take place in the last quarter of the year in Katsina, Edo, Ekiti and Rivers States

Cholera

Week 14

| Suspected cases | Confirmed cases | Deaths | Number of States and LGAs affected |
|-----------------|-----------------|--------|------------------------------------|
| 12 | 0 | 0 | State:3 LGA: 7 |

Year to date (week 1 – 14)

| Suspected cases | | Confirmed cases | | Deaths | | CFR | |
|-----------------|------|-----------------|------|--------|------|------|------|
| 2018 | 2019 | 2018 | 2019 | 2018 | 2019 | 2018 | 2019 |
| 3543 | 391 | 70 | 8 | 69 | 24 | 2% | 6% |

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

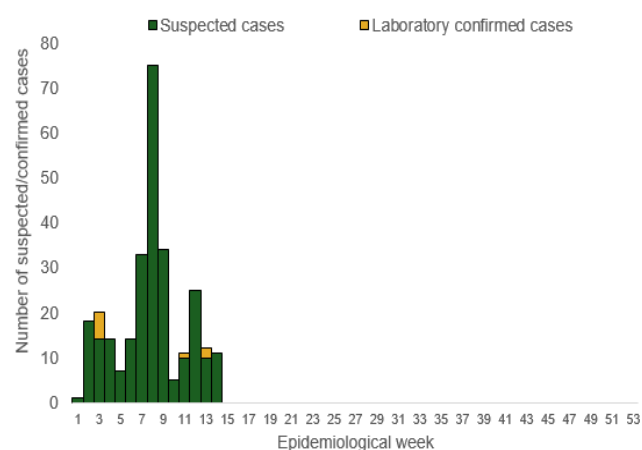
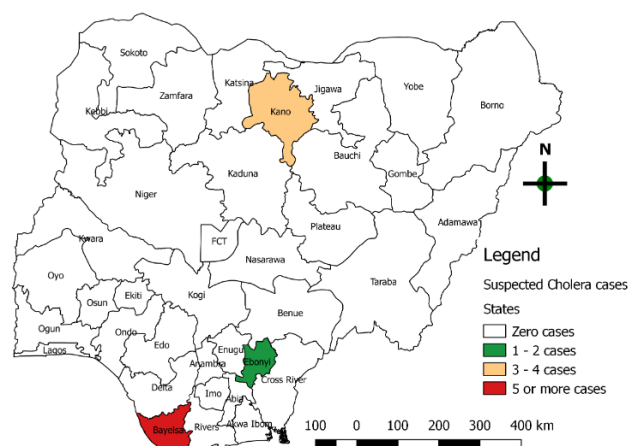


Figure 8: Location of suspected cases of Cholera by State, Nigeria, current week 2019



Key Points

Actions

To date:

- NCDC has disseminated cholera alert mails and line list template to all states in preparedness for dry season transmission
- National Preparedness and Response to Acute Watery Diarrhoea/Cholera Guidelines. Available via http://ncdc.gov.ng/themes/common/docs/protocols/45_1507196550.pdf

Measles

Week 14

| Suspected cases | Confirmed cases | Deaths | Number of States and LGAs affected |
|-----------------|-----------------|--------|------------------------------------|
| 2051 | 0 | 8 | State: 31 LGA: 248 |

Year to date (week 1 – 14)

| Suspected cases | | Confirmed cases | | Deaths | | CFR | |
|-----------------|-------|-----------------|------|--------|------|-------|-------|
| 2018 | 2019 | 2018 | 2019 | 2018 | 2019 | 2018 | 2019 |
| 6828 | 18335 | 13 | 535 | 65 | 39 | 0.95% | 0.21% |

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

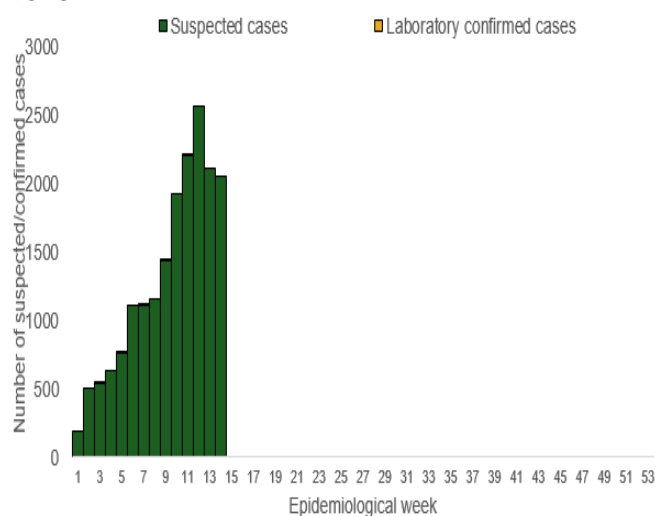
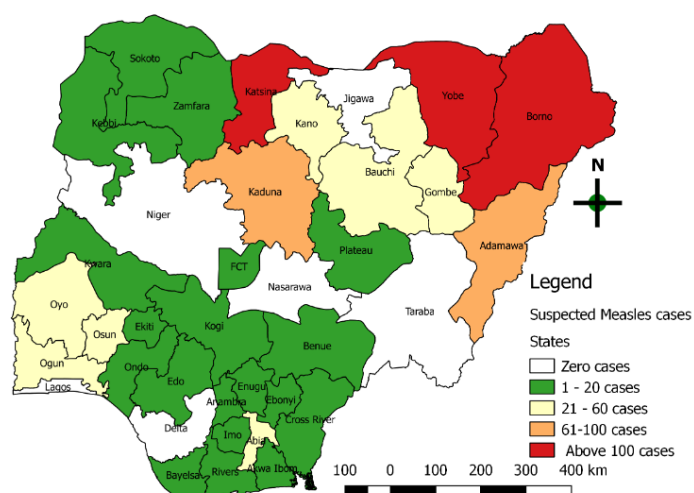


Figure 12: Location of suspected cases of Measles by State, Nigeria, current week 2019



Key Points

Actions

To date:

- A National Measles Emergency Operational Centre (EOC) continues to coordinate response activities weekly

Planned:

- Closely monitor the reported outbreaks in a few States
- Establish sentinel sites for congenital rubella syndrome surveillance

Acute Flaccid Paralysis (AFP)

Week 14

| Suspected cases | Confirmed cases | Deaths | Number of States and LGAs affected |
|-----------------|-----------------|--------|------------------------------------|
| 137 | 0 | 0 | State:32 LGA: 124 |

Year to date (week 1 – 14)

| Suspected cases | | Confirmed cases | | Deaths | | CFR | |
|-----------------|------|-----------------|------|--------|------|------|------|
| 2018 | 2019 | 2018 | 2019 | 2018 | 2019 | 2018 | 2019 |
| 2223 | 1792 | 0 | 0 | 0 | 0 | 0% | 0% |

Figure 13: Number of suspected and confirmed cases of AFP, Nigeria, week 1 – current week 2019

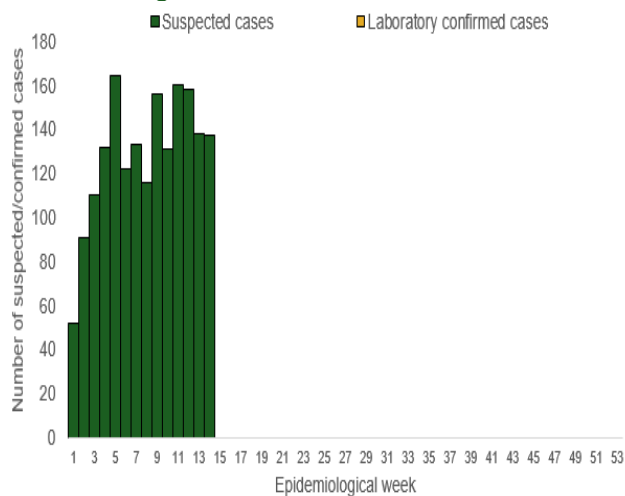
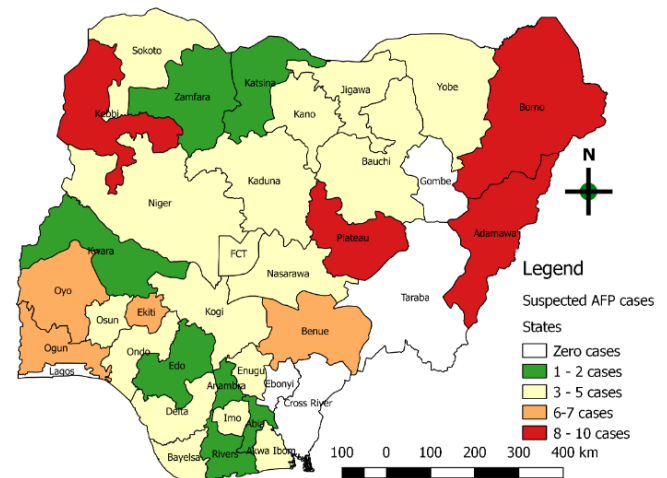


Figure 14: Location of suspected cases of AFP by State, Nigeria, current week 2019



Key Points

- The last reported case of polio in Nigeria was in August 2016
- As at 7th April 2019, no new case of WPV was recorded

Actions

To date:

- Active case search for AFP is being intensified with the goal to eliminate polio in Nigeria

Planned:

- Intensify active AFP case search and continue to monitor progress being made to eliminate polio in Nigeria

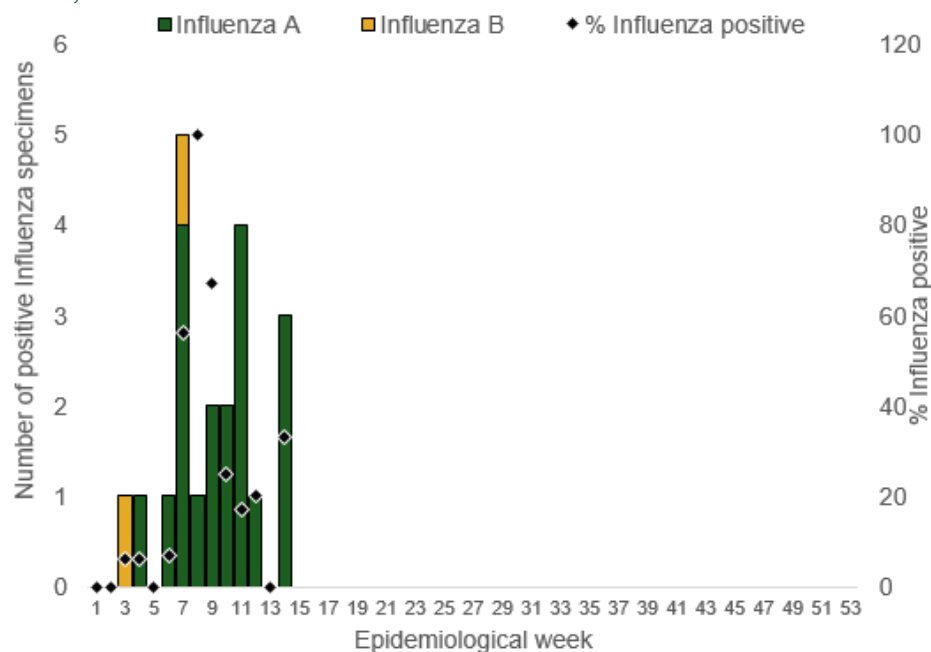
National Influenza Sentinel Surveillance

Year to date (week 1 – 14)

| | Suspected cases | Suspected ILI | Suspected SARI |
|------------------------|-----------------|---------------|----------------|
| Number (Percentage) | 119 | 112(94.1%) | 7(5.9%) |

| | Confirmed cases | | Confirmed ILI | | Confirmed SARI | |
|----------------|-----------------|-------------|---------------|-------------|----------------|-------------|
| | Influenza A | Influenza B | Influenza A | Influenza B | Influenza A | Influenza B |
| Number | 19 | 2 | 16 | 2 | 3 | 0 |
| Positivity (%) | 16% | 1.7% | 14.4% | 1.8% | 42.9% | 0% |

Figure 15: Number of influenza positive specimens by type and percent positive by epidemiological week, 2019



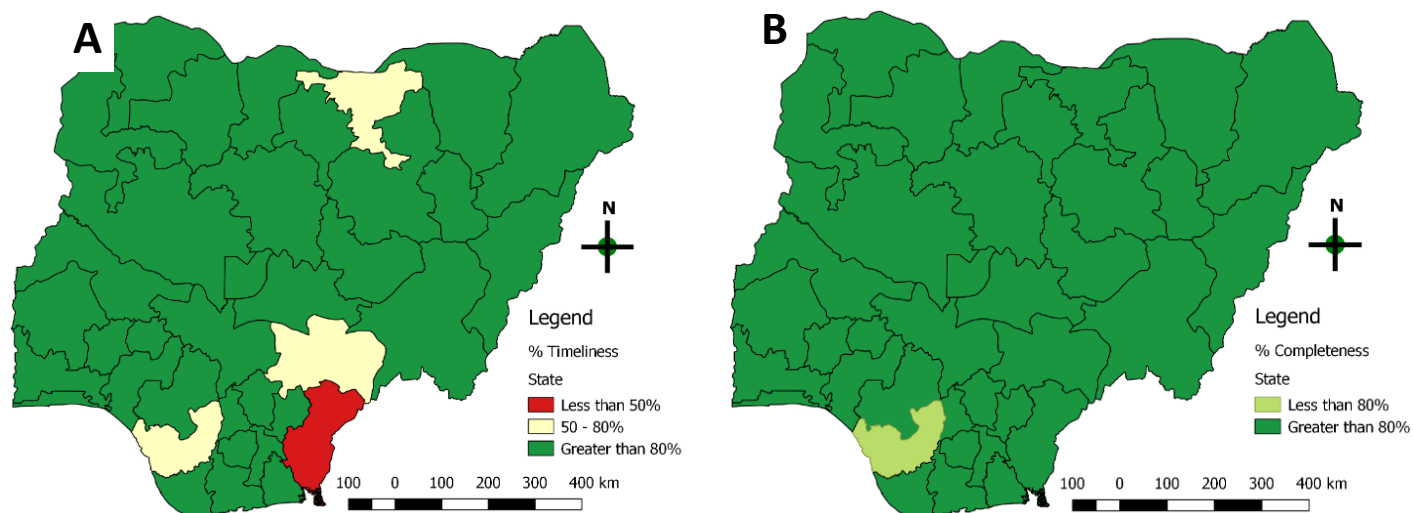
Key Points

- The predominant Influenza A subtype so far this year is A seasonal H3 15(78.9%).
- The predominant Influenza B subtype so far this year is B (not subtyped) 2(100%).

Timeliness and completeness of reports

Last 4 weeks (week 11 – 14 2019)

Figure 16: A – Timeliness by State (%); B – Completeness by State (%), week 09 – 12, 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 | Year to date |
|-----------------------|--------------|--------------|
| | Week 11 – 14 | Week 01 – 14 |
| Reports sent on time | 137 | 480 |
| Reports sent late | 8 | 33 |
| Reports not received | 5 | 3 |
| Timeliness | 93% | 93% |
| Completeness | 98% | 99% |

States with reports not received in 2019 (week 1 – 14)

| State | Week(s) report not received |
|--------|-----------------------------|
| Delta | 8, 10, 12 |
| Jigawa | 14 |
| Lagos | 14 |

Timeliness and completeness of reports by state

Year to date (week 1 – 14)

| State | Timeliness (%) | Completeness (%) |
|-------------|----------------|------------------|
| Abia | 100 | 100 |
| Adamawa | 100 | 100 |
| Akwa Ibom | 100 | 100 |
| Anambra | 100 | 100 |
| Bauchi | 100 | 100 |
| Bayelsa | 100 | 100 |
| Benue | 57 | 100 |
| Borno | 100 | 100 |
| Cross River | 29 | 100 |
| Delta | 79 | 79 |
| Ebonyi | 100 | 100 |
| Edo | 86 | 100 |
| Ekiti | 100 | 100 |
| Enugu | 100 | 100 |
| FCT | 100 | 100 |
| Gombe | 93 | 100 |
| Imo | 93 | 100 |
| Jigawa | 71 | 93 |
| Kaduna | 93 | 100 |
| Kano | 100 | 100 |
| Katsina | 93 | 100 |
| Kebbi | 100 | 100 |
| Kogi | 93 | 100 |
| Kwara | 93 | 100 |
| Lagos | 93 | 93 |
| Nasarawa | 100 | 100 |
| Niger | 86 | 100 |
| Ogun | 100 | 100 |
| Ondo | 86 | 100 |
| Osun | 100 | 100 |
| Oyo | 100 | 100 |
| Plateau | 93 | 100 |
| Rivers | 100 | 100 |
| Sokoto | 100 | 100 |
| Taraba | 100 | 100 |
| Yobe | 100 | 100 |
| Zamfara | 93 | 100 |