

# Weekly Epidemiological Report

December

Week 51

2016

2017

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Editorial

## Weekly updates on epidemics in Nigeria: as at 23rd December, 2016

Issue: Volume 6 No. 50

### Lassa fever

1. \*\*Lassa fever update for week 50 as at 23rd December, 2016; (\*\*Please note that the data reflects the routine reports i.e. all suspected cases including the laboratory positive and negative cases)

1.1. Sixteen (16) suspected cases of Lassa fever with 4 Lab. Confirmed and 2 deaths (CFR, 12.50%) were reported from 10 LGAs (Five States) in week 50, 2016 compared with 2 suspected cases and 2 deaths (CFR, 100%) from Garum Mallam LGA (Kano State) at the same period in 2015 (Figure 1).

1.2. Four suspected cases were positive for Lassa fever (Ogun – 1, Plateau – 2 & Taraba – 1) and others negative for Lassa fever.

1.3. Between weeks 1 and 50 (2016), 902 suspected Lassa fever cases with 98 lab-confirmed and 114 deaths (CFR, 12.64%) from 142 LGAs (29 States) were reported compared with 373 suspected cases with 16 lab-confirmed and ten (10) deaths (CFR, 2.68%) from 24 LGAs (12 States) at the same period in 2015 (Figure 1).

1.4. Between weeks 1 & 53 2015, 430 suspected Lassa fever cases with 25 lab-confirmed and 40 deaths (CFR, 9.30%) from 37 LGAs (14 States & FCT) were reported compared with 989 suspected cases with 110 lab-confirmed and 36 deaths (CFR, 3.64%) from 37 LGAs (13 States) at the same period in 2014 (Figure 2).

1.5. Investigation and active case search ongoing in affected states with coordination of all response activities by NCDC and support from partners.

1.5.1 National Surveillance and Outbreak Response Working Group meeting on-going at NCDC to assess the current Lassa fever situation in the Country

1.5.2. Response materials for VHFs prepositioned across the country by NCDC

1.5.3. New VHF guidelines being produced by NCDC

- 1.5.4. Reclassification of reported Lassa fever cases is ongoing
- 1.5.5. Reviewing the variable for case based surveillance for VHF
- 1.5.6. States are enjoined to intensify surveillance



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## Measles

### 2. Update on suspected Measles for week 50 as at 23rd December, 2016

- 2.1. In the reporting week 50 (2016), one hundred & seventy-one (171) suspected cases of Measles with 3 Lab. confirmed were recorded from 23 States compared with 181 suspected measles cases from 22 States & FCT at the same period in 2015.
- 2.2. So far, 25,023 suspected Measles cases and 102 deaths (CFR,0.41%) have been reported in 2016 from 36 states & FCT (Figure 3 & 4) compared with 23,970 suspected cases and 123 deaths (CFR, 0.52%) from 36 states & FCT at the same period in 2015.
- 2.3. In 2015 (week 1 -53), 24,421 suspected measles cases with 127 deaths (CFR, 0.52%) were reported from 36 States and FCT compared with 15,989 suspected cases with 85 deaths (CFR, 0.53%) at the same period in 2014
- 2.4. Confirmed Measles cases (lab, epi-link and clinical): Between week 1- 50, (2016) 11,835 confirmed Measles cases were recorded compared to 12,336 confirmed at the same time in 2015. (Figure 5). Most affected were within the age group 9 - 59 months ( Figure 6 & 7 respectively). Vaccination status of the measles cases was 62.1% zero dose (Figure 8).
- 2.5. Response measure includes immunization for all vaccine-preventable diseases in some selected/ affected wards/LGAs during SIAs with case management.
- 2.6. Measles vaccination campaigns in the Northern and Southern States were conducted from 21st – 25th November, 2015 and 28th January – 1st February, 2016 respectively.



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## poliomyelitis

### 3. Updates on poliomyelitis for week 50 as at December 16th , 2016

- 3.1. No new WPV1 isolated since the last reported confirmed case.
- 3.2. No new cVDPV2, environmental derived and Polio compatible cases identified
  - 3.2.1. In the reporting week 50 (2016), 167 cases of AFP were reported from 130 LGAs in 28 States and FCT
  - 3.2.2. AFP Surveillance has been enhanced and outbreak response is on-going in Borno and other high risk states
- 3.3. Out Break Response (OBR): Five (5) rounds of supplemental Immunization with bOPV2 in high risk states completed (August – December 2016).
- 3.4. Between weeks 1 & 50, 2016, four (4) confirmed Wild Polio Virus (WPV) type 1 were isolated from Jere (1), Gwoza (1) & Monguno (2) LGAs (Borno State) compared to zero case at the same period in 2015 (Figure 9).
- 3.5. Between weeks 1 & 53, 2015 no WPV was isolated compared to six (6) WPVs isolated from 2 States at the same period in 2014.
- 3.3 One (1) circulating Vaccine Derived Polio Virus type 2 (cVDPV2) was isolated in Monguno LGA (Borno State) from week 1 - 50, 2016 compared to one (1) cVDPV2 isolated in Kwali, FCT at the same period in 2015 (Figure 10).
- 3.4 Between weeks 1 & 53, 2015 one (1) cVDPV2 was isolated in Kwali, FCT while thirty (30) cVDPV2 were isolated from 5 States at the same period in 2014.
- 3.5 Six (6) confirmed WPV were isolated in 2014.

3.6 Five (5) rounds of supplemental immunizations (House to house, Hit and run, and Health camps) with bOPV in high risk states conducted from August –December 2016, in response to the isolation of WPV1 in the Country (Figure 12)

3.7 From January – May, 2016 (4) Supplemental Immunization Activities (SIAs) for Oral Polio Vaccine (OPV) were conducted across the country using tOPV .

3.8 The SIAs were strengthened with the following events:

3.8.1 Immunization for all vaccine-preventable diseases in some selected wards/LGAs.

3.8.2 Use of health camp facilities.

3.8.3 Field supportive supervision and monitoring.

3.8.4 Improved Enhanced Independent Monitoring (EIM) and Lots Quality Assessments (LQAs) in all Polio-high risk States.

3.8.5 High level of accountability framework



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## **Cholera**

4 Update on suspected Cholera for week 50 as at 23rd December, 2016

4.1 No suspected case of Cholera was reported in the reporting week 50 (2016), compared with 18 cases from Gwoza LGA (Borno State) at the same period in 2015 (Figure 13).

4.2 Between weeks 1 and 50 (2016), 768 suspected cholera cases, 14 Lab confirmed and 32 deaths (CFR, 4.17%) from 57 LGAs (14 States) were reported compared with 5286 cases with 29 lab-confirmed and 186 deaths (CFR, 3.52%) from 100 LGAs (19 States) at the same period in 2015 (Figure 13)

4.3 Between weeks 1 and 53 (2015), 5301 suspected cholera cases with 29 lab-confirmed and 186 deaths (CFR, 3.51%) from 101 LGAs (18 States and FCT) were reported compared with 35,996 cases with 306 lab confirmed and 755 deaths (CFR, 2.10%) from 182 LGAs (19 States and FCT) at the same period in 2014 (Figure 14).

4.4 States are enjoined to intensify surveillance.



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## **cerebrospinal meningitis (CSM)**

5. Update on cerebrospinal meningitis (CSM) for week 50 as at 23rd December, 2016

5.1. In the reporting week 50 (2016), 4 suspected cerebrospinal meningitis (CSM) cases were reported from 3 LGAs (3 States) compared with zero case at the same period in 2015.

5.2. Between weeks 1 & 50 (2016), 826 suspected CSM cases with 43 Lab. confirmed and 33 deaths (CFR, 4.00%) were recorded from 154 LGAs (31 States) compared with 2706 suspected cases with 43 Lab. Confirmed and 130 deaths (CFR, 4.80%) from 168 LGAs (29 States) at the same period in 2015 (Figure 15).

5.3. Between weeks 1 & 53, 2015, 2711 suspected CSM cases with 43 lab-confirmed and 131 deaths (CFR, 4.83%) were recorded from 170 LGAs (28 States and FCT) compared with 1175 suspected cases and 81 deaths (CFR, 6.89%) from 125 LGAs (26 States and FCT) at the same period in 2014 (Figure 16)

5.4. Timeliness/completeness of CSM case-reporting from States to National Level (2016 versus 2015): on the average, 85.2% of the 26 endemic states sent CSM reports timely while 98.2% were complete in week 1 – 50, 2016 as against 82.8% timeliness and 99.8% completeness recorded within the same period in 2015.

5.5. Intensive Surveillance is on-going in high risk States.



## Guinea worm disease

6. Update on Guinea worm disease: as at 30th September, 2016

6.1. As at 30th September, 2016, 185 GWD rumour reports were received from 71 LGAs in 16 States. All (100%) of the rumours were investigated within 24 hours and none of these rumours were confirmed to be GWD case.

6.2. In 2015, a total of 384 GWD rumour reports were received and investigated from 134 LGAs (24 States), of which 373 (97%) were investigated within 24 hours. None of these rumours were confirmed to be GWD case.

6.3. Nigeria has celebrated 7 consecutive years of zero reporting of Guinea worm disease in the country. The Country has been officially certified free of Dracunculiasis transmission by the International Commission for the Certification of Dracunculiasis Eradication (ICCDE).


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### Highlight of the week

Lassa fever
Measles
poliomyelitis
Cholera
cerebrospinal meningitis (CSM)
Guinea worm disease

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