Weekly Epidemiology Report



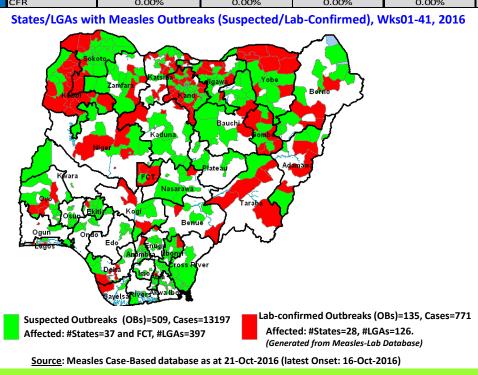


Nigeria Centre for Disease Control (NCDC) Federal Ministry of Health - Nigeria

Issue: Volume 6 No. 41 21st October, 2016

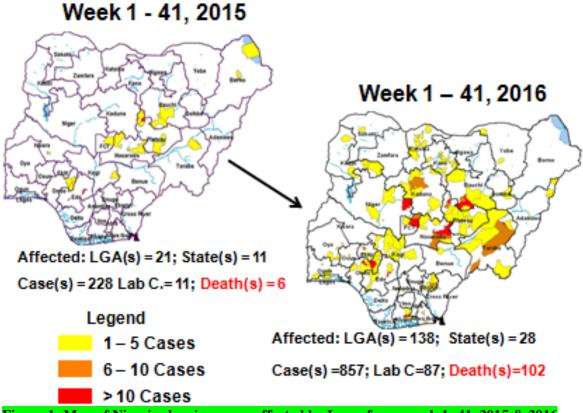
Summary Table (IDSR Weekly Report as at 21/10/2016)

		Week 40	Wee		Cumulative Weeks								
Disease	Variables												
		2016	2016	2015	01 - 41, 2016	01 - 41, 2015							
	Cases	199	268	101	10,936	6,578							
AFP	Deaths	0	0	0	0	0							
	CFR	0.00%	0.00%	0.00%	0.00%	0.00%							
	WPV Types 1 & 3	0	0	0	4	0							
Polio	WPV Types 1	0	0	0	4	0							
	WPV Types 3	0	0	0	0	0							
	Cases	13	6	162	560	4899							
Cholera	Deaths	4	0	6	25	184							
	CFR	30.77%	0.00%	3.70%	4.46%	3.76%							
	Cases	3	2	0	857	228							
Lassa Fever	Deaths	0	2	0	102	6							
	CFR	0.00%	100.00%	0.00%	11.90%	2.63%							
	Cases	11	11	7	733	2,663							
CSM	Deaths	0	0	0	30	130							
	CFR	0.00%	0.00%	0.00%	4.09%	4.88%							
	Cases	139	158	230	23,177	20,504							
Measles	Deaths	0	0	0	100	97							
	CFR	0.00%	0.00%	0.00%	0.44%	0.47%							
	Cases	0	0	0	0	0							
Guinea Worm	Deaths	0	0	0	0	0							
	CFR	0.00%	0.00%	0.00%	0.00%	0.00%							



Weekly updates on epidemics in Nigeria: as at 21st October, 2016

- 1. **Lassa fever update for week 41 as at 21st October, 2016; (**Please note that the data reflects the routine reports i.e. all suspected cases including the laboratory positive and negative cases)
- 1.1. Two suspected cases of Lassa fever with 2 Lab. Confirmed and 2 deaths (100%) were from 2 LGAs (2 States; Bauchi -1 & Kaduna -1) reported in week 41, 2016 compared with zero case at the same period in 2015 (Figure 1).
- 1.2. The two (2) suspected cases were positive for Lassa fever.
- 1.3. Between weeks 1 and 41 (2016), 857 suspected Lassa fever cases with 87 lab-confirmed and 102 deaths (CFR, 11.90%) from 138 LGAs (28 States) were reported compared with 228 suspected cases with 11 lab-confirmed and six (6) deaths (CFR, 2.63%) from 21 LGAs (11 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 ongoing in affected states. States are enjoined to intensify surveillance.
- 1.5.1. Weekly Lassa fever working group meeting ongoing at the NCDC to assess the current Lassa fever situation in the country.
- 1.5.2. Ribavirin Injectable & Tablets with Personal Protective Equipment (PPE) and other consumables distributed to affected States.
- 1.5.3. The Emergency Operational Centre (EOC) in the Nigeria Centre for Disease Control and Prevention (NCDC)/FMOH was activated and technical supports were provided to affected states during the January April 2016 outbreak.



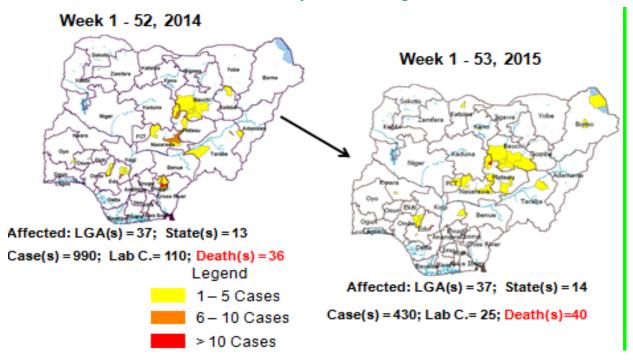


Figure 2: Map of Nigeria showing areas affected by Lassa fever, week 1 - 53, 2014 & 2015

2. Update on suspected Measles for week 41 as at 21st October, 2016

- 2.1. In the reporting week 41 (2016), one hundred & fifty-eight (158) suspected cases of Measles were recorded from 27 States compared with 222 suspected measles cases from 26 States at the same period in 2015.
- 2.2. So far, 23,177 suspected Measles cases and 100 deaths (CFR,0.43%) have been reported in 2016 from 36 states & FCT (Figure 3 & 4) compared with 20,504 suspected cases and 97 deaths (CFR, 0.47%) 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- 41, (2016) 10,721 confirmed Measles cases were recorded compared to 10,611 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 68.2% 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.
- Measles vaccination campaigns in the Northern and Southern States were conducted from 21st
 25th November, 2015 and 28th January 1st February, 2016 respectively.

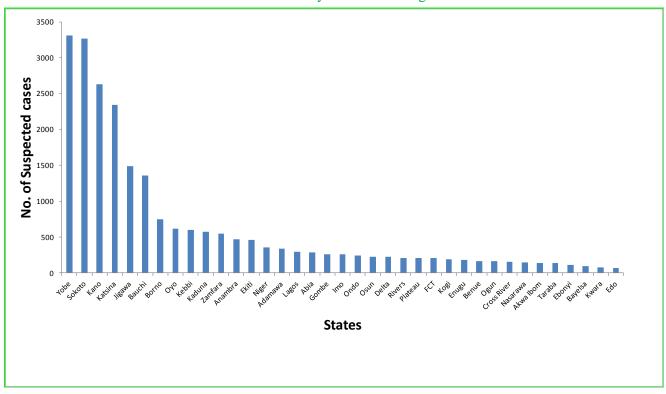
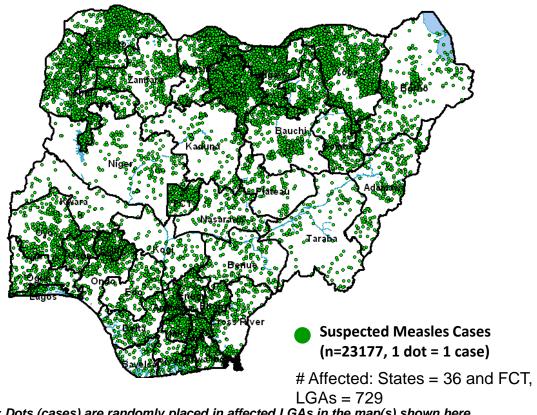


Figure 3: Suspected measles cases by States, week 41, 2016 as at 21st October, 2016

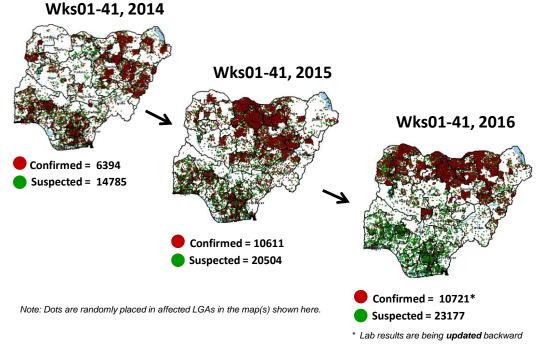
Distribution of Suspected Measles Cases, Wks01-41 2016



Note: Dots (cases) are randomly placed in affected LGAs in the map(s) shown here. Source: Measles Case-Based database as at 21-Oct-2016

Figure 4: Nigeria: Distribution of suspected measles cases, week 1 - 41, 2016 as at 21/10/16

Suspected and Confirmed (Lab + Epi Link + Clinical) Measles Cases, Wks01-41, 2014 -2016



Source: Measles Case-Based database as at 21-Oct-2016 (Latest Onset= 16-Oct-2016)

Figure 5: Nigeria: Suspected & Confirmed(Lab+Epi Link + Clinical) Measles cases, WK 1 - 41, 2014, 2015 & 2016

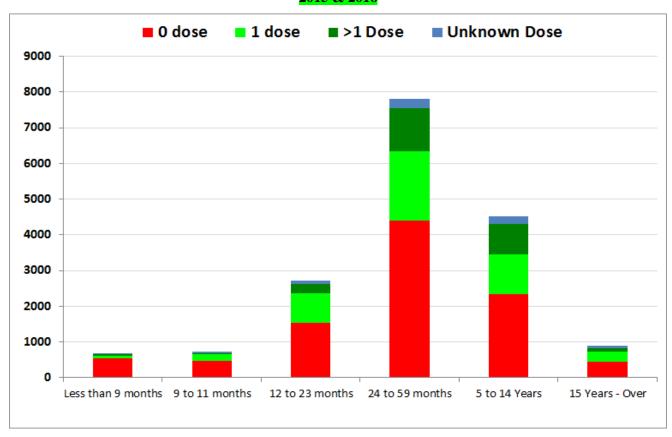


Figure 6: Age and vaccination status of suspected measles cases in Nigeria, week 1 - 41, 2016 as at October 21st, 2016

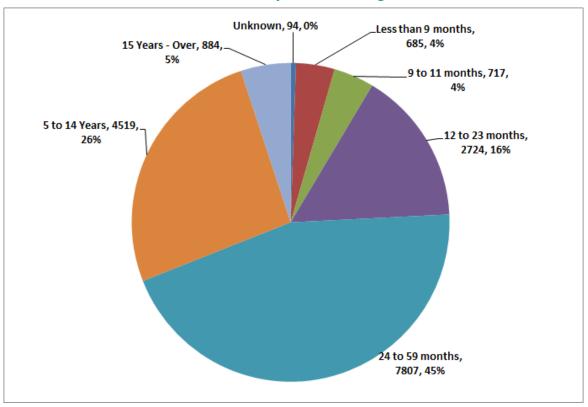
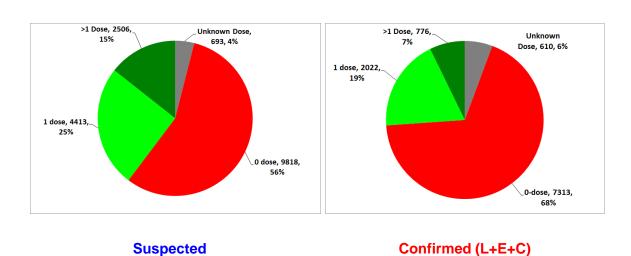


Figure 7: Breakdown of suspected measles cases by age group in Nigeria, week 1-41, 2016 as at 21/10/16

Vaccination Status of Suspected/ Confirmed(L+E+C) Measles Cases, Weeks01-41 2016

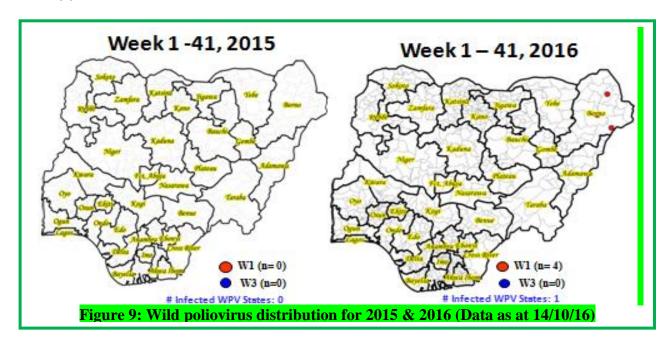


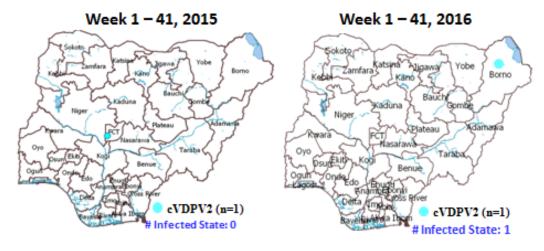
L+E+C = Lab-confirmed + EpiLink + Clinical

Figure 9: Vaccination status of suspected / Confirmed measles cases in Nigeria, week 1 -41, 2016 as at 21/10/2016

3. Updates on poliomyelitis for week 41 as at October 14th, 2016

- 3.1. No Wild Polio Virus (WPV) was isolated in both weeks 41 of 2016 & 2015...
- 3.2. Between weeks 1 & 41, 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).
- 3.3. 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 41, 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.





In 2016 Environmental surveillance detected 1 cVDPV2 in Borno State and 1 ambiguous vaccine derived poliovirus (aVDPV2) in Jigawa State.

Figure 10: cVDPV distribution in Nigeria for 2015 & 2016 (Data as at 14/10/16)

- 3.6 In response to the isolation of WPV1 in the Country, the Federal Government had immediately made a public notification and developed an outbreak response plan on the 10^{th} August, 2016 with activities commencing from 15^{th} August -22^{nd} November 2016. (Figure 12)
- 3.7 Investigation was conducted in the 3 affected LGAs (Gwoza, Jere and Monguno LGAs)
- 3.8 First and second outbreak response supplemental immunizations (House to house, Hit and run, and Health camps) with bOPV were conducted in 5 States (Borno, Yobe, Adamawa, Gombe and Taraba) from the 27th 30th August 2016 and 18 States (11 high risk states plus Taraba, Adamawa, Gombe, Plateau, Nasarawa, Benue and the FCT from the 17th 20th September 2016 respectively
- 3.9 From January May, 2016 (4) Supplemental Immunization Activities (SIAs) for Oral Polio Vaccine (OPV) had been conducted across the country using tOPV.
- 3.10 The SIAs (SNIPDs) were strengthened with the following events:
- 3.10.1 Immunization for all vaccine-preventable diseases in some selected wards/LGAs.
- 3.10.2 Use of health camp facilities.
- 3.10.3 Field supportive supervision and monitoring.
- 3.10.4 Improved Enhanced Independent Monitoring (EIM) and Lots Quality Assessments (LQAs) in all Polio-high risk States.
- 3.10.5 High level of accountability framework

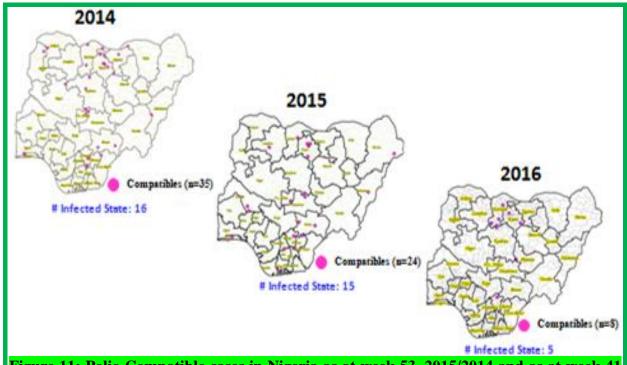


Figure 11: Polio Compatible cases in Nigeria as at week 53, 2015/2014 and as at week 41 2016 (Data as at 14/10/16)

Outbreak Response Round	Scope	Date	Type of Antigen	Status
Immediate	Borno State (Gwoza, Jere, MMC, Bama and 1 ward in Mafa LGAs)	15 th – 18 th August 2016	bOPV2	Done
1	Borno, Yobe, Adamawa, Gombe, Taraba	27 th – 30 th August 2016	bOPV2	Done
2	11 HR States + Adamawa, Gombe, Taraba, Nasarawa, Benue, Plateau, and FCT	17 th – 20 th September 2016	bOPV2 (+IPV in Borno)	Done
3	11 HR States + Adamawa, Gombe, Taraba, Nasarawa, Benue, Plateau, and FCT	15 th = 18 th October 2016	bOPV2	Ongoing
4	Tentative	12 th – 15 th November 2016	bOPV2	Tentative
5	Tentative	3 rd – 6 th December 2016	bOPV2	Tentative

Figure 12: Polio Outbreak Response Timelines in Nigeria: August-December 2016

4 Update on suspected Cholera for week 41 as at 21st October, 2016

- 4.1 In reporting week 41 (2016), 6 suspected cases of cholera were recorded from Akinyele LGA (Oyo State) compared with 162 cases with 5 Lab. Confirmed and 6 deaths (CFR, 3.70%) from 11 LGAs (4 States) at the same period in 2015 (Figure 13).
- 4.2 Between weeks 1 and 41 (2016), 560 suspected cholera cases, 15 Lab confirmed and 25 deaths (CFR, 4.46%) from 48 LGAs (12 States) were reported compared with 4899 cases with 28 lab-confirmed and 184 deaths (CFR, 3.76%) from 95 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.

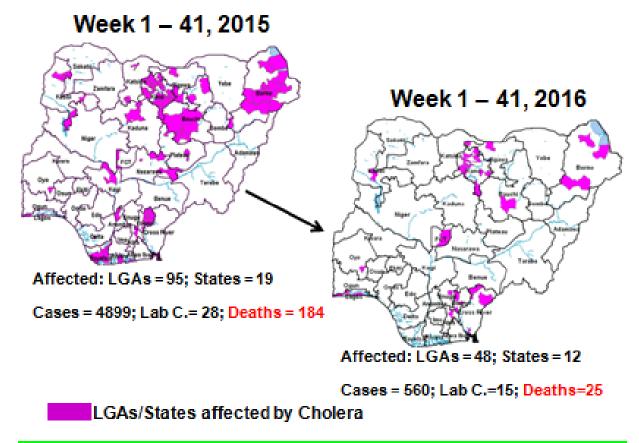


Figure 13: Status of LGAs/States that reported Cholera cases in week 1-41, 2015 & 2016

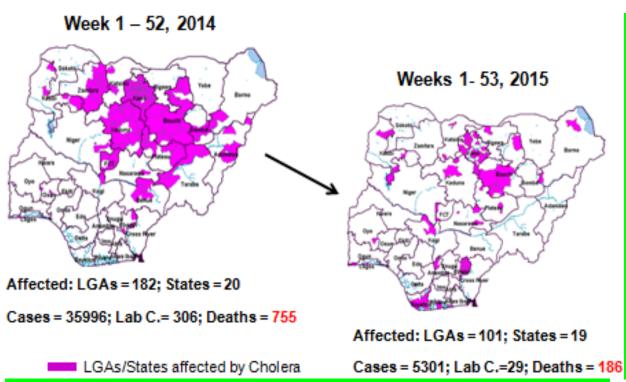


Figure 14: Status of LGAs/States that reported Cholera cases in week 1-53, 2014 & 2015

5. Update on cerebrospinal meningitis (CSM) for week 41 as at 21st October, 2016

- 5.1. In the reporting week 41 (2016), 11 suspected cerebrospinal meningitis (CSM) cases were reported from 7 LGAs (5 States) compared with 7 cases from 6 LGAs (3 States) at the same period in 2015.
- 5.2. Between weeks 1 & 41 (2016), 733 suspected CSM cases with 39 Lab. confirmed and 30 deaths (CFR, 4.17%) were recorded from 142 LGAs (30 States) compared with 2663 suspected cases with 43 Lab. Confirmed and 130 deaths (CFR, 4.88%) from 159 LGAs (28 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, 85.80% of the 26 endemic states sent CSM reports timely while 99.4% were complete in week 1-41, 2016 as against 81.3% timeliness and 98.2% completeness recorded within the same period in 2015.
- 5.5. Intensive Surveillance is on-going in high risk States.

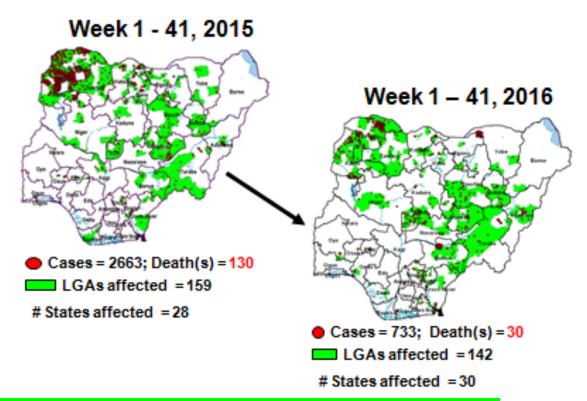
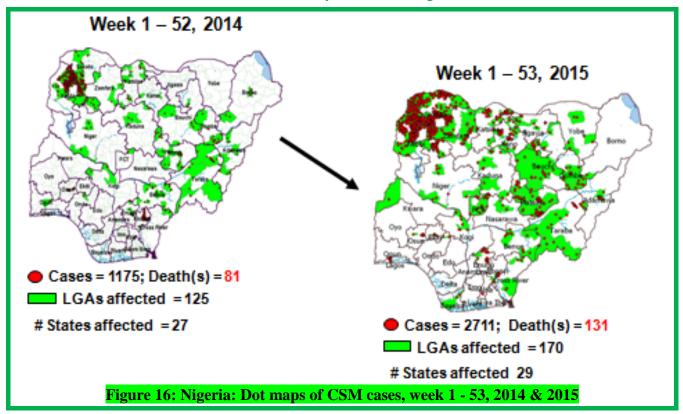


Figure 15: Map of Nigeria showing areas affected by CSM, week 1 – 41, 2015 & 2016



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).

(For further information, contact NIGEP NC/Director: Mrs. I, Anagbogu: +2348034085607, ifechuba@yahoo.co.uk)

Table 2: Status of Reporting by the State Epidemiologists, Nigeria, Weeks 1 - 41, 2016, as at 21st October, 2016

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N = No Report (Report not received)																									T													T							
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Federal Ministry of Health - Nigeria

Updates on Epidemics, Week 1- 41 (10th – 16th October, 2016) as at 21st October, 2016 Lassa Fever Cholera Measles Guineaworm Disease Other Diseases/Events Cumulative Data Wk01-41 StatePop2016 Report Cases LabCfd Deaths Cases LabCfd Deaths Cases LabCtd Deaths Cases LabCtd Deaths CFR Cases LabCtd Deaths Cases LabCtd Deaths FR Cases LabCfd Deaths Cases LabCfd Deaths CF Cases LabCfd Deaths Cases LabCfd Deaths CFR Cases LabCfd Deaths Cases LabCfd Deaths C Cases LabCfd Deaths Cases LabCfd Deaths Cases LabCfd Deaths Cases LabCfd Deaths Remarks 4,216,506 5,476,644 5,512,118 5,670,311 5,799,337 9 Cross River 3,844,999 4,200,832 3,235,426 5,391,760 5,787,728 12,983,043 4,394,887 4,406,012 3,186,545 12,350,714 5,158,109 4,624,449 4.691.068 7,244,154 4,968,458 191,843,149 30T=81% 268 Please note that the reporting status in this table is from WHO State Status of Report: T=Timely, L=Late; N=No Report Source: Epid Division, Public Health Dept, FMoH