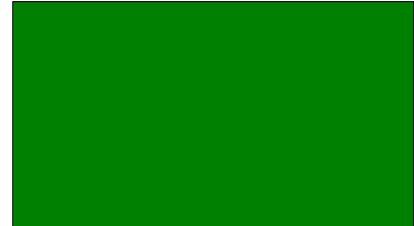


# Weekly Epidemiology Report



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

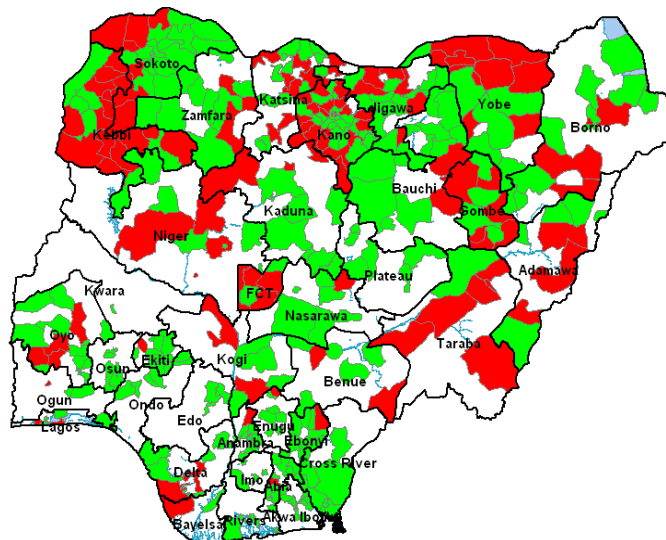
Issue: Volume 6 No. 36

16<sup>th</sup> September, 2016

### Summary Table (IDSR Weekly Report as at 16/09/2016)

Disease	Variables	Week 35		Week 36		Cumulative Weeks	
		2016	2016	2015	01 - 36, 2016	01 - 36, 2015	
AFP	Cases	272	193	178	9,555	5,879	
	Deaths	0	0	0	0	0	
	CFR	0.00%	0.00%	0.00%	0.00%	0.00%	
Polio	WPV Types 1 & 3	1	0	0	3	0	
	WPV Types 1	1	0	0	3	0	
	WPV Types 3	0	0	0	0	0	
Cholera	Cases	0	14	155	417	3753	
	Deaths	0	1	4	14	157	
	CFR	0.00%	7.14%	2.58%	3.36%	4.18%	
Lassa Fever	Cases	7	7	1	830	205	
	Deaths	3	1	0	96	6	
	CFR	42.86%	14.29%	0.00%	11.57%	2.93%	
CSM	Cases	12	26	14	639	2,648	
	Deaths	0	0	0	29	130	
	CFR	0.00%	0.00%	0.00%	4.54%	4.91%	
Measles	Cases	288	130	420	22,369	19,082	
	Deaths	1	1	13	99	72	
	CFR	0.35%	0.77%	3.10%	0.44%	0.38%	
Guinea Worm	Cases	0	0	0	0	0	
	Deaths	0	0	0	0	0	
	CFR	0.00%	0.00%	0.00%	0.00%	0.00%	

### States/LGAs with Measles Outbreaks (Suspected/Lab-Confirmed), Wks01-36, 2016



■ Suspected Outbreaks (OBs)=490, Cases=13032  
 Affected: #States=36 and FCT, #LGAs=391
 ■ Lab-confirmed Outbreaks (OBs)=135, Cases=771  
 Affected: #States=28, #LGAs=126.  
 (Generated from Measles-Lab Database)

Source: Measles Case-Based database as at 16-Sep-2016 (latest Onset: 08-Sep-2016)

**1. \*\*Lassa fever update for week 36 as at 16<sup>th</sup> September, 2016; (\*\*Please note that the data reflects the routine reports i.e. all suspected cases including the laboratory positive and negative cases)**

- 1.1. Seven (7) suspected cases of Lassa fever with 2 Lab. Confirmed and 1 death (CFR, 14.29%) were reported from 6 LGAs in 4 States (Kano, Kogi, Ondo and Plateau States) in week 36, 2016 compared with one (1) case from Abuja Municipal Area Council (FCT) at the same period in 2015 (Figure 1).
- 1.2. Two (2) of the 7 suspected cases were Lab confirmed positive for Lassa (Ondo State), while the other 5 were negative for Lassa and other VHF. (Kano, Kogi and Plateau States)
- 1.3. Between weeks 1 and 36 (2016), 830 suspected Lassa fever cases with 82 lab-confirmed and 96 deaths (CFR, 11.57%) from 135 LGAs (28 States) were reported compared with 205 suspected cases with 11 lab-confirmed and six (6) deaths (CFR, 2.93%) 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

**Week 1 – 36, 2015**

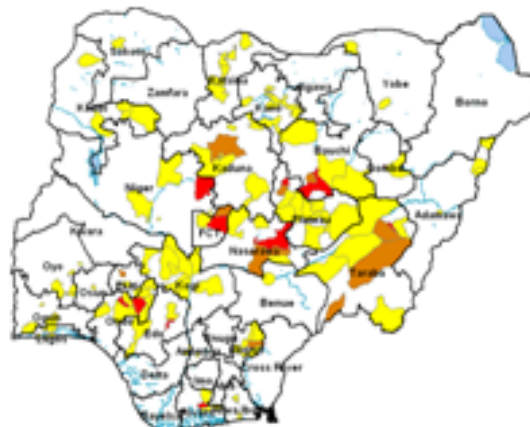


Affected: LGA(s) = 21; State(s) = 11  
Case(s) = 205 Lab C.= 11; Death(s) = 6

**Legend**

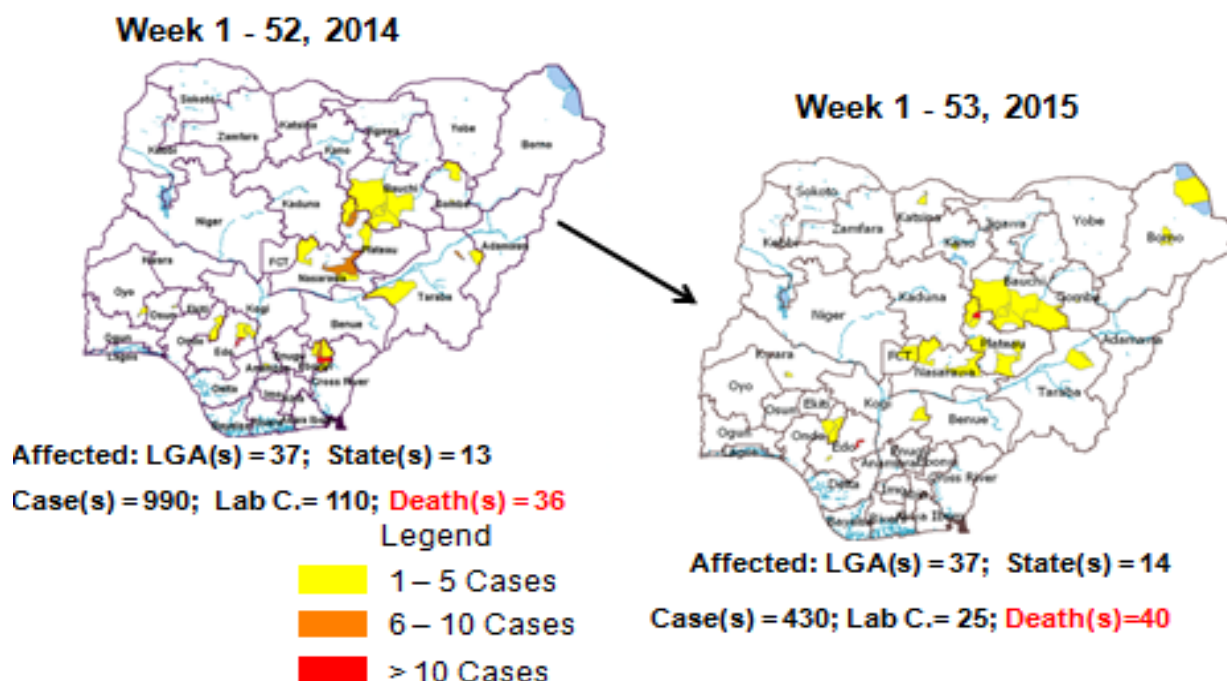
- 1 – 5 Cases
- 6 – 10 Cases
- > 10 Cases

**Week 1 – 36, 2016**



Affected: LGA(s) = 135; State(s) = 28  
Case(s) = 830; Lab C=80; Death(s)=96

**Figure 1: Map of Nigeria showing areas affected by Lassa fever, week 1- 36, 2015 & 2016**



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

## 2. Update on suspected Measles for week 36 as at 16<sup>th</sup> September, 2016

- 2.1. In the reporting week 36 (2016), one hundred & thirty (130) suspected cases of Measles and 1 death (CFR, 0.77%) were recorded from 24 States compared with 420 suspected measles cases and 13 deaths (CFR, 3.10%) from 25 States at the same period in 2015.
- 2.2. So far, 22,369 suspected Measles cases and 99 deaths (CFR,0.44%) have been reported in 2016 from 36 states & FCT (Figure 3 & 4) compared with 19,082 suspected cases and 72 deaths (CFR, 0.38%) 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 1-36, (2016) 10,526 confirmed Measles cases were recorded compared to 9,670 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 67.8% 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 21<sup>st</sup> – 25<sup>th</sup> November, 2015 and 28<sup>th</sup> January – 1<sup>st</sup> February, 2016 respectively.

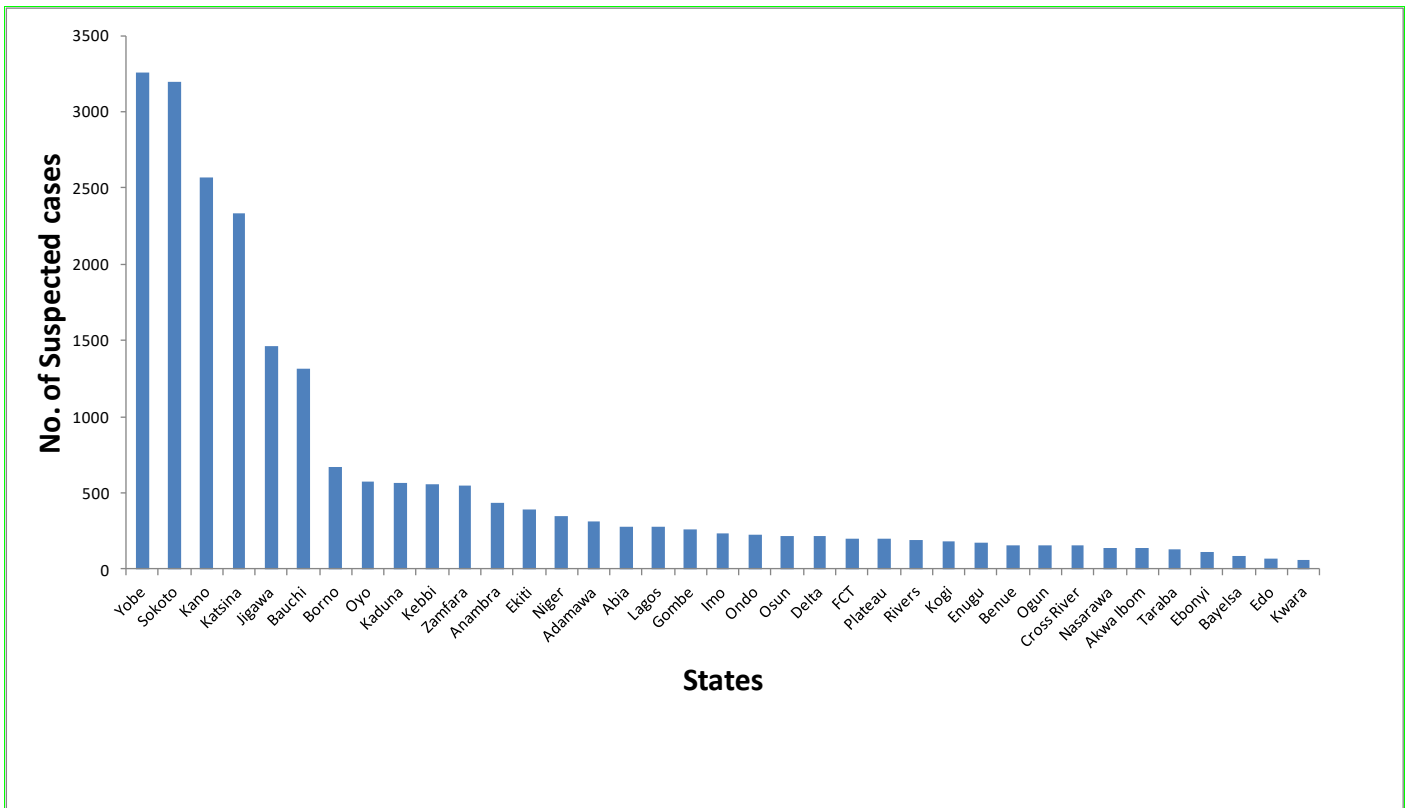
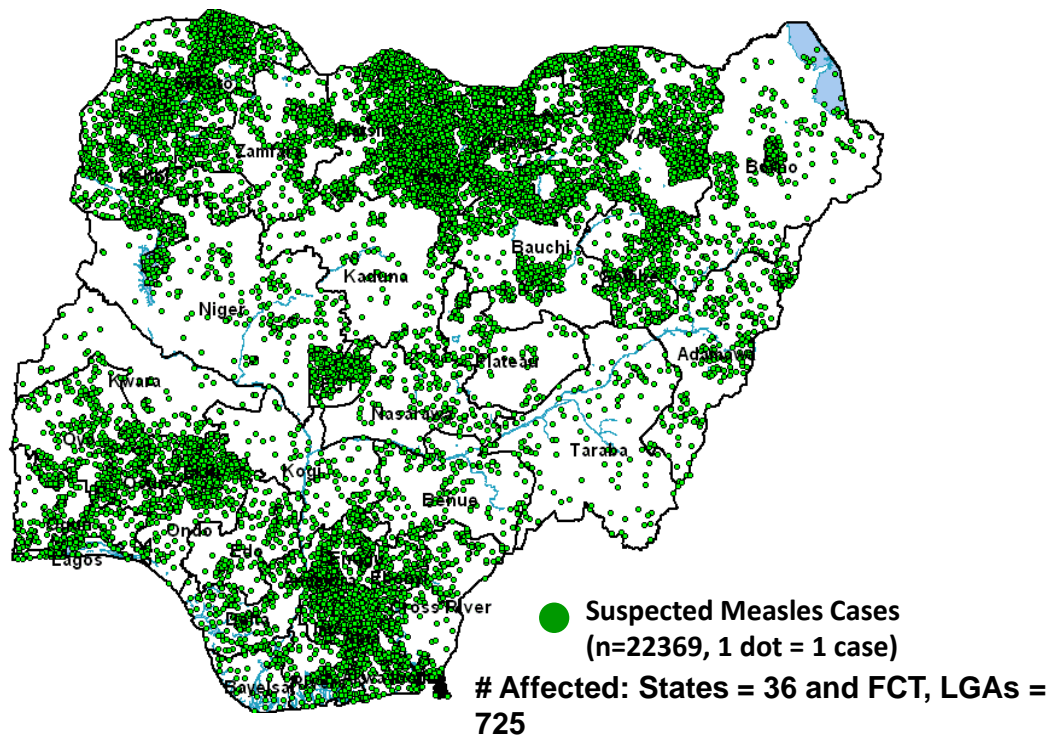


Figure 3: Suspected measles cases by States, week 36, 2016 as at 16<sup>th</sup> September, 2016

### Distribution of Suspected Measles Cases, Wks01-36 2016

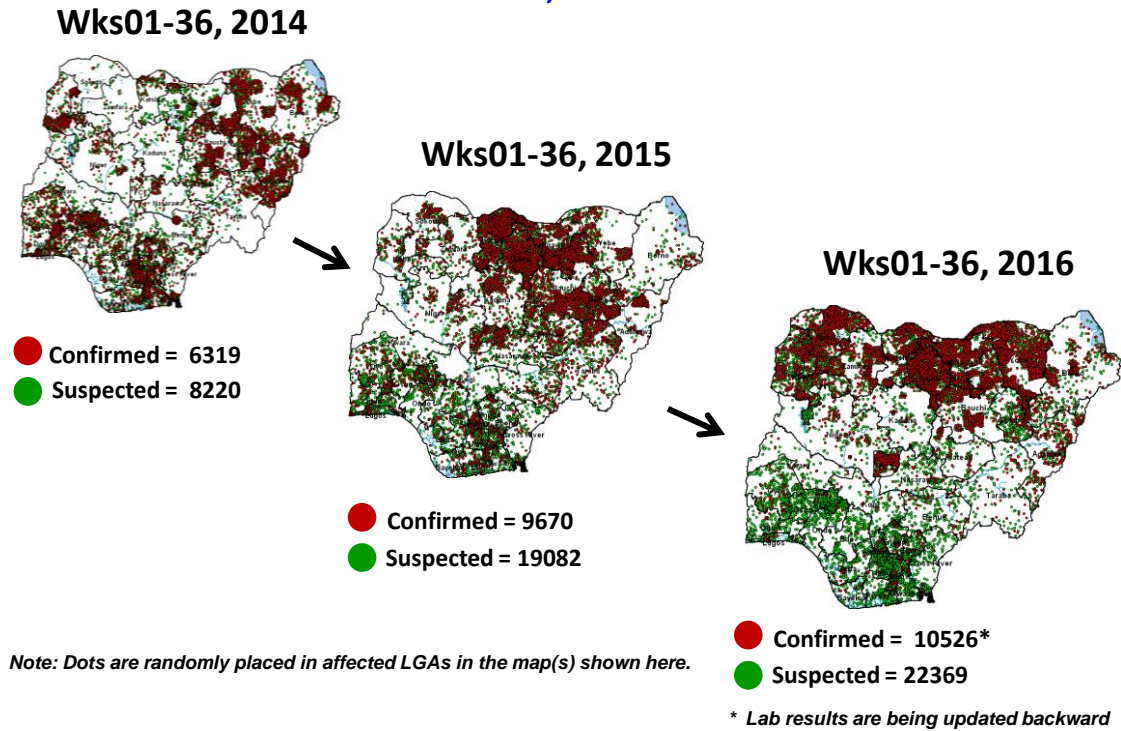


Note: Dots (cases) are randomly placed in affected LGAs in the map(s) shown here.

Source: Measles Case-Based database as at 16-Sep-2016

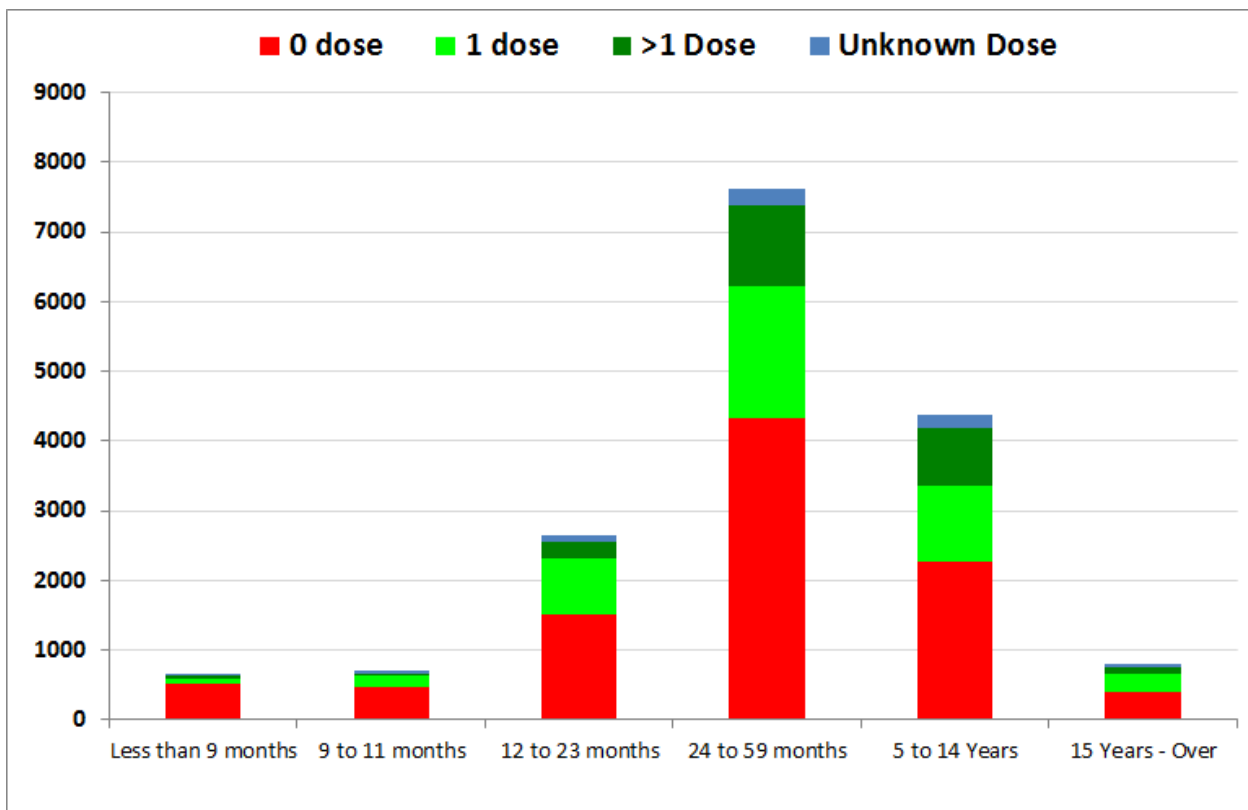
Figure 4: Nigeria: Distribution of suspected measles cases, week 1 - 36, 2016 as at 16/09/16

**Suspected and Confirmed (Lab + Epi Link + Clinical) Measles Cases,  
Wks01-36, 2014 -2016**

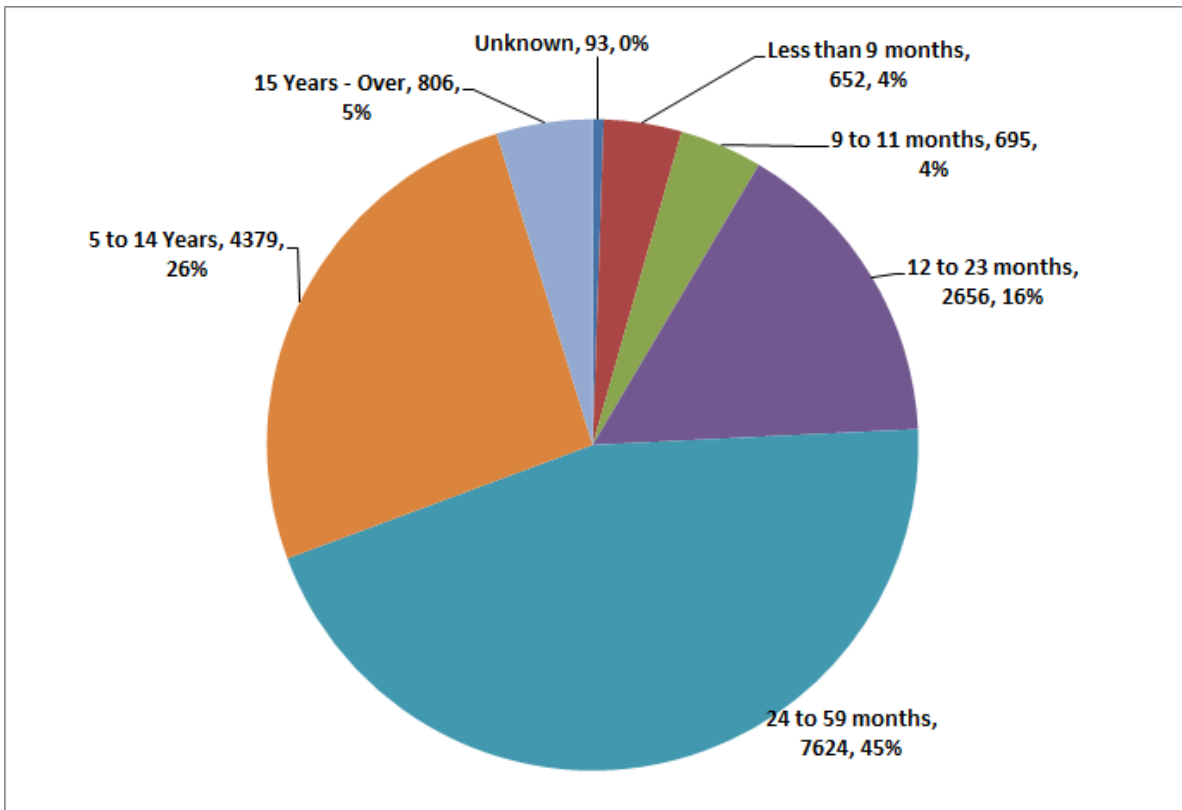


Source: Measles Case-Based database as at 16-Sep-2016 (Latest Onset= 08-Sep-2016)

**Figure 5: Nigeria: Suspected & Confirmed(Lab+Epi Link + Clinical) Measles cases, WK 1 - 36, 2014, 2015 & 2016**

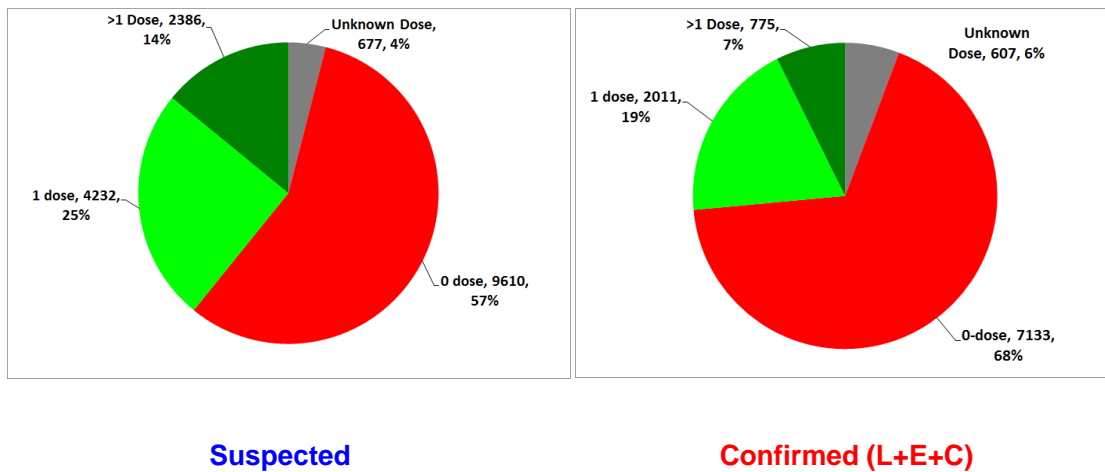


**Figure 6: Age and vaccination status of suspected measles cases in Nigeria, week 1 - 36, 2016 as at September 16<sup>th</sup>, 2016**



**Figure 7: Breakdown of suspected measles cases by age group in Nigeria, week 1 -36, 2016 as at 16/09/16**

**Vaccination Status of Suspected/ Confirmed(L+E+C) Measles Cases, Weeks01-36 2016**

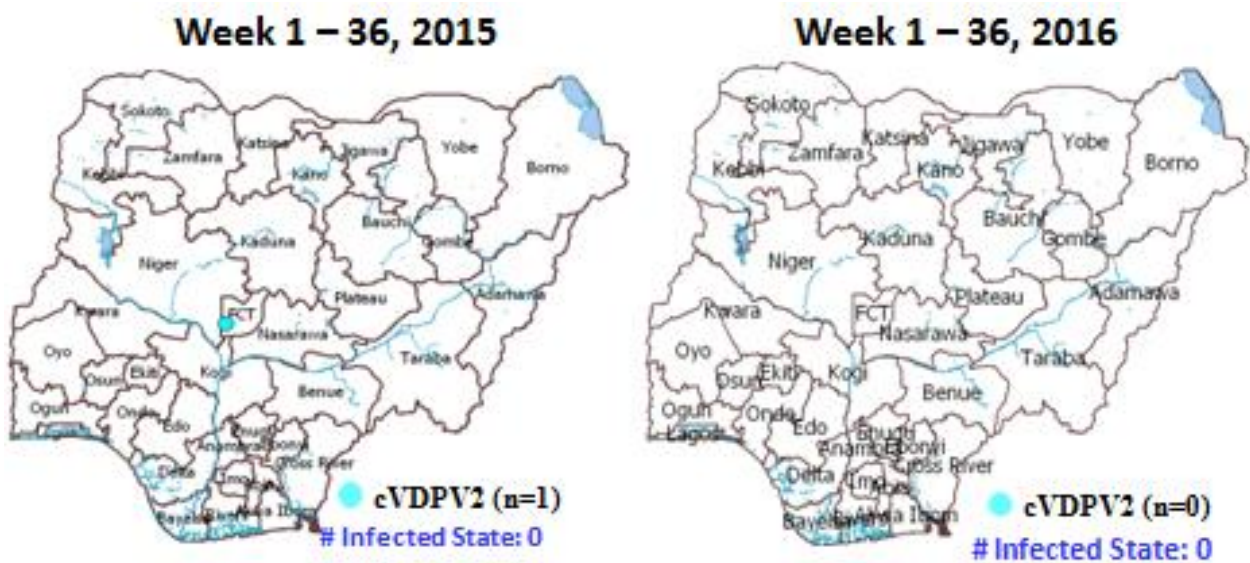
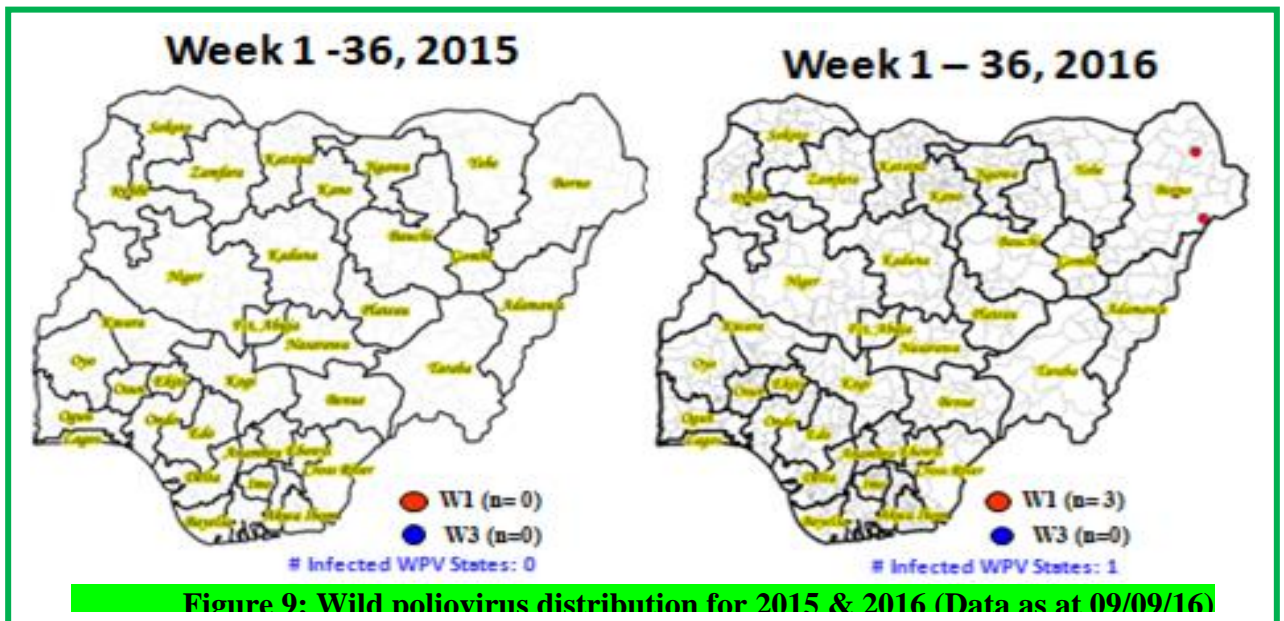


**L+E+C = Lab-confirmed + EpiLink + Clinical**

**Figure 9: Vaccination status of suspected / Confirmed measles cases in Nigeria, week 1 -36, 2016 as at 16/09/2016**

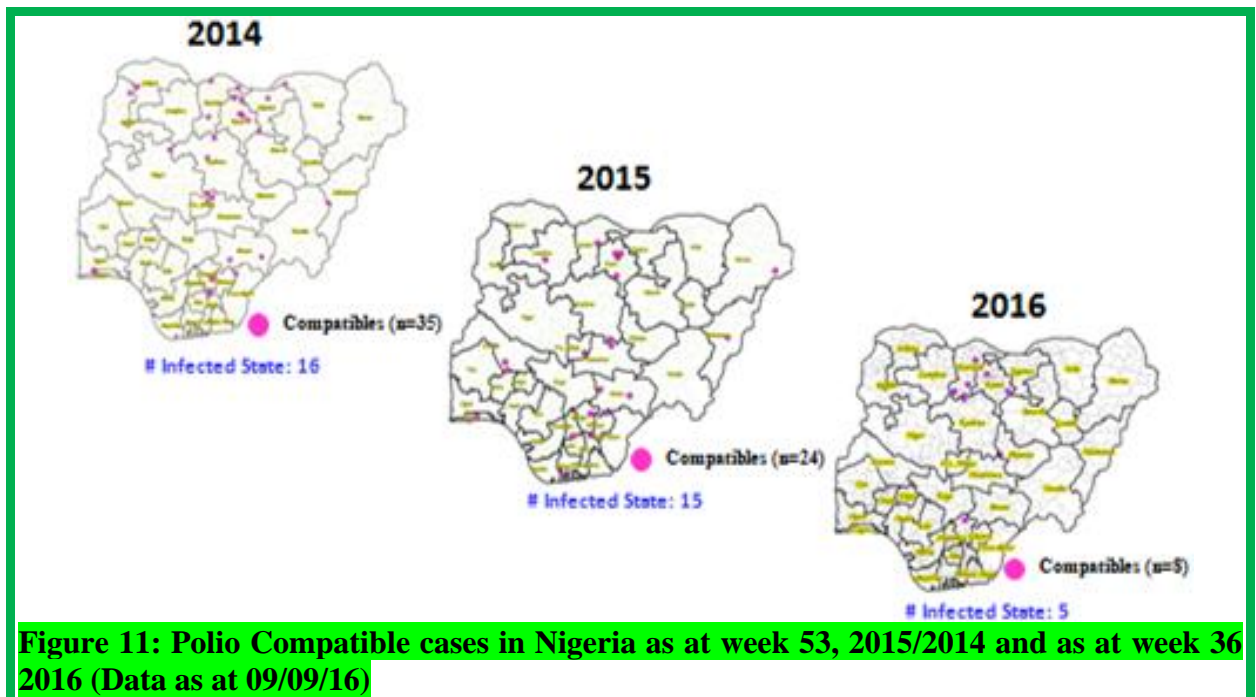
**3. Updates on poliomyelitis for week 36 as at September 9<sup>th</sup>, 2016**

- 3.1. One Wild Polio Virus (WPV) was isolated from Monguno LGA (Borno State) in week 36, 2016 compared to zero case at the same period in 2015.
- 3.2. Between weeks 1 & 36, 2016, three (3) confirmed Wild Polio Virus (WPV) type 1 were isolated from Jere, Gwoza & Monguno 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 No circulating Vaccine Derived Polio Virus type 2 (cVDPV2) was isolated in week 35, 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.



## Federal Ministry of Health - Nigeria

- 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<sup>th</sup> August, 2016 with activities commencing from 15<sup>th</sup> August – 22<sup>nd</sup> November 2016. (Figure 12)
- 3.7 Investigation was conducted in the 3 affected LGAs (Gwoza, Jere and Monguno LGAs)
- 3.8 Supplemental immunization (House to house, Hit and run, and Health camps) with bOPV was conducted in 5 States (Borno, Yobe, Adamawa, Gombe and Taraba) from the 27<sup>th</sup> – 30<sup>th</sup> August 2016.
- 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
- 3.11 NSTOP in collaboration with FMOH conducted 2 training sessions: "Reaching every child with OPV especially in underserved population" for specialized health workers and "assessment of routine immunization activities in the LGAs" for NSTOP consultants.





Planned Activity	Date	Scope	Type of Antigen	Strategy	Status
Immediate advance notification of Federal and State authorities	10 <sup>th</sup> August, 2016				Done
Immediate field investigation in Gwoza and Jere LGAs.	11-12 <sup>th</sup> August, 2016	Gwoza & Jere LGAs			Done
Development of OBR plan	10 <sup>th</sup> August, 2016	NEOC			Done
Date of immediate response	15 <sup>th</sup> August, 2016	4 LGAs & 1 Ward: Gwoza, Jere , MMC, Bama, Mafa (1 ward)	bOPV	House to House, Hit & Run	Done
1 <sup>st</sup> Outbreak response	27 <sup>th</sup> - 30 <sup>th</sup> August, 2016	Zone 1 (5 states): Borno, Yobe, Adamawa, Gombe and Taraba	bOPV	House to House, Hit & run, DOPV, Health camps	Done
2 <sup>nd</sup> Outbreak response	17 <sup>th</sup> -20 <sup>th</sup> Sept, 2016	Zone 2 (18 states): 11 HRS + Taraba, Adamawa, Gombe, Plateau, Nasarawa, Benue and FCT	bOPV + IPV (Borno – statewide)	House to House, Hit & run, DOPV, Health camps	On track
3 <sup>rd</sup> Outbreak response	8 <sup>th</sup> – 11 <sup>th</sup> Oct, 2016	Zone 3: NID	bOPV	House to House, Hit & run, DOPV, Health camps	Pending confirmation of vaccine availability
4 <sup>th</sup> Outbreak response	29 <sup>th</sup> Oct – 1 <sup>st</sup> Nov, 2016	Zone 2 (18 states): 11 HRS + Taraba, Adamawa, Gombe, Plateau, Nasarawa, Benue and FCT	bOPV	House to House, Hit & run, DOPV, Health camps	Pending confirmation of vaccine availability
5 <sup>th</sup> Outbreak response	19 <sup>th</sup> – 22 <sup>th</sup> Nov, 2016	Zone 3: NID	bOPV	House to House, Hit & run, DOPV, Health camps	Pending confirmation of vaccine availability

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

#### 4 Update on suspected Cholera for week 36 as at 16<sup>th</sup> September, 2016

- 4.1 In reporting week 36 (2016), 14 suspected cases of cholera and 1 death (CFR, 7.14%) were recorded from Oshodi/Isolo LGA (Lagos State) compared with 155 cases and 4 death (CFR, 2.58%) from 2 LGAs (2 States) at the same period in 2015 (Figure 13).
- 4.2 Between weeks 1 and 36 (2016), 417 suspected cholera cases, 1 Lab confirmed and 14 deaths (CFR, 3.36%) from 35 LGAs (11 States) were reported compared with 3753 cases with 18 lab-confirmed and 157 deaths (CFR, 4.18%) from 82 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.

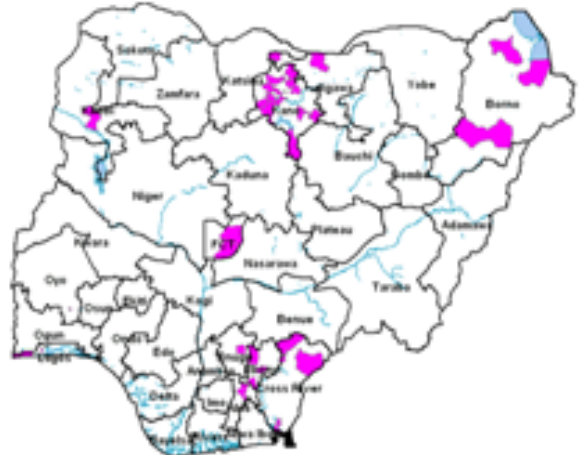
**Week 1 – 36, 2015**



**Affected: LGAs = 82; States = 19**

**Cases = 3753; Lab C.= 18; Deaths = 157**

**Week 1 -36, 2016**



**Affected: LGAs = 35; States = 11**

**Cases = 417; Lab C.=1; Deaths=14**

**■ LGAs/States affected by Cholera**

**Figure 13: Status of LGAs/States that reported Cholera cases in week 1- 36, 2015 & 2016**

**Week 1 – 52, 2014**



**Affected: LGAs = 182; States = 20**

**Cases = 35996; Lab C.= 306; Deaths = 755**

**Weeks 1- 53, 2015**



**Affected: LGAs = 101; States = 19**

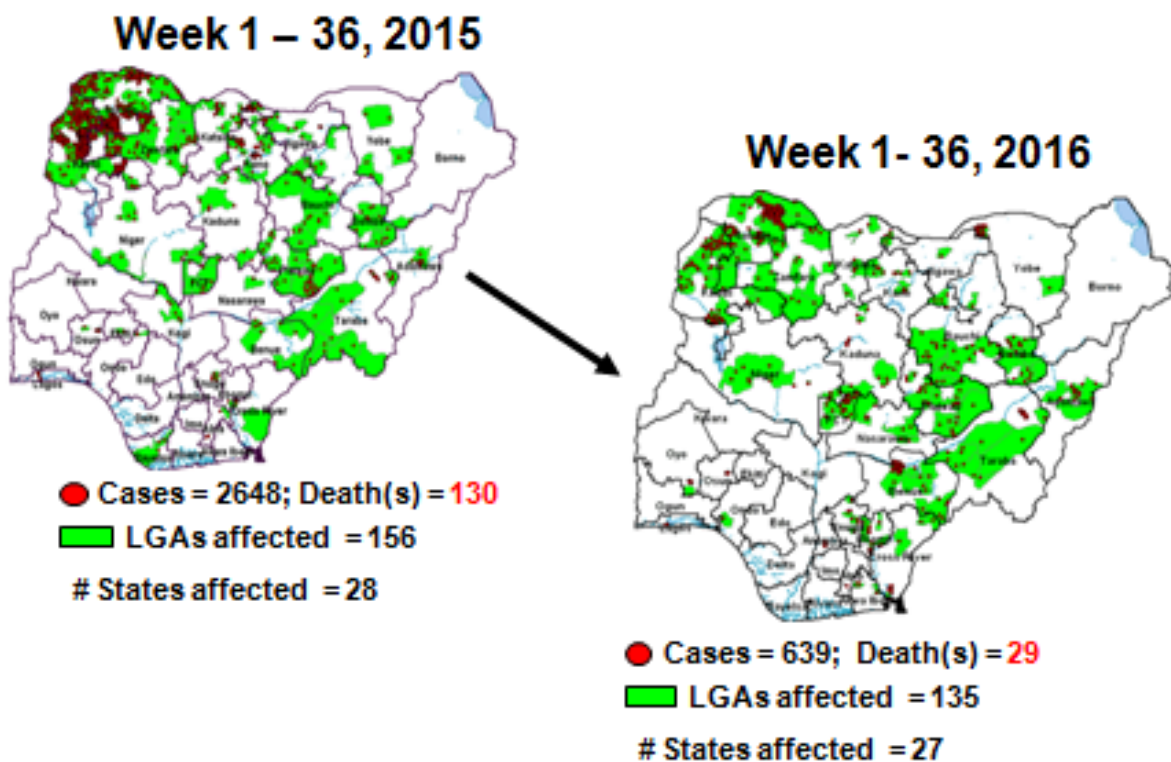
**Cases = 5301; Lab C.=29; Deaths = 186**

**■ LGAs/States affected by Cholera**

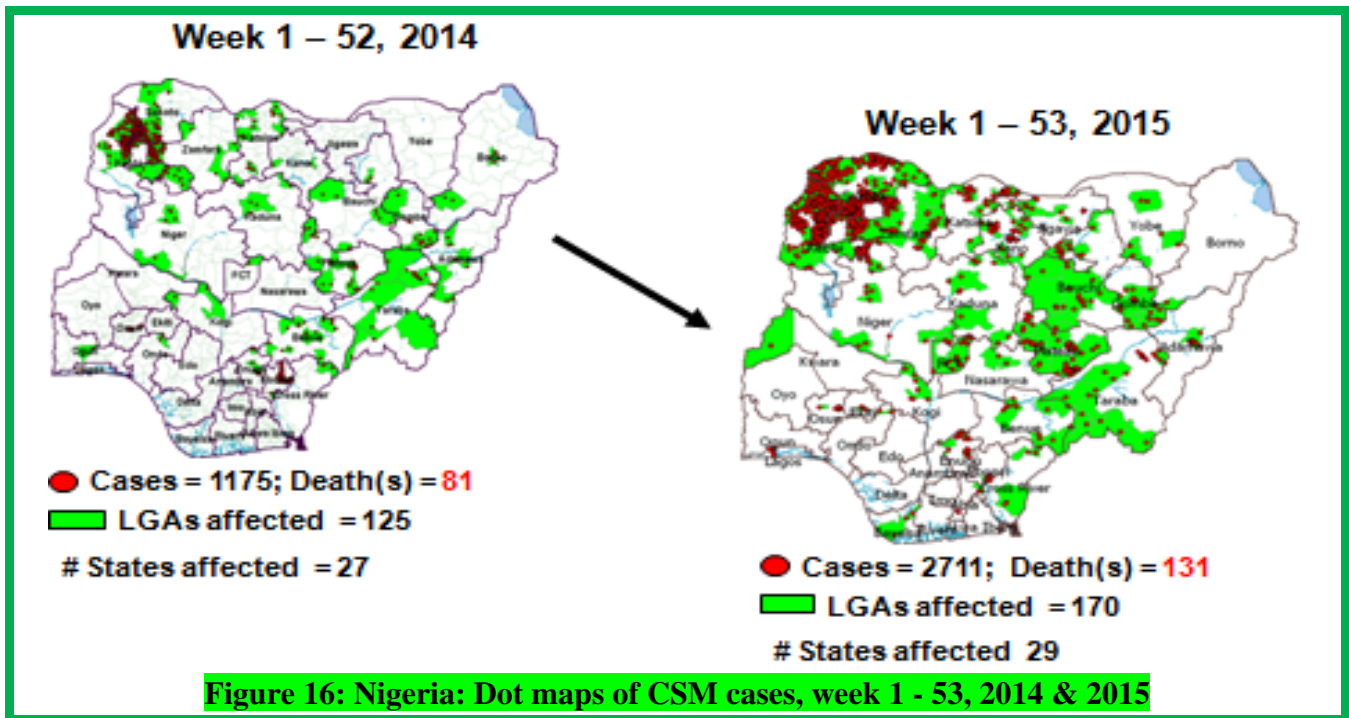
**Figure 14: Status of LGAs/States that reported Cholera cases in week 1-53, 2014 & 2015**

**5. Update on Cerebrospinal Meningitis (CSM) for week 36 as at 16<sup>th</sup> September, 2016**

- 5.1. In the reporting week 36 (2016), 26 suspected cerebrospinal meningitis (CSM) cases were reported from 5 LGAs (5 States) compared with 14 cases from 9 LGAs (7 States) at the same period in 2015.
- 5.2. Between weeks 1 & 36 (2016), 639 suspected CSM cases with 39 Lab. confirmed and 29 deaths (CFR, 4.54%) were recorded from 135 LGAs (27 States) compared with 2648 suspected cases with 43 Lab. Confirmed and 130 deaths (CFR, 4.91%) from 156 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, 85.5% of the 26 endemic states sent CSM reports timely while 98.8% were complete in week 1 – 36, 2016 as against 81.7% timeliness and 98.5% 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 – 36, 2015 & 2016**



## 6. Update on Guinea worm disease: as at 31<sup>st</sup> August, 2016

- 6.1. As at 31<sup>st</sup> August, 2016, 113 GWD rumour reports were received from 50 LGAs in 11 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](mailto:ifechuba@yahoo.co.uk))



