

Weekly Epidemiology Report



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

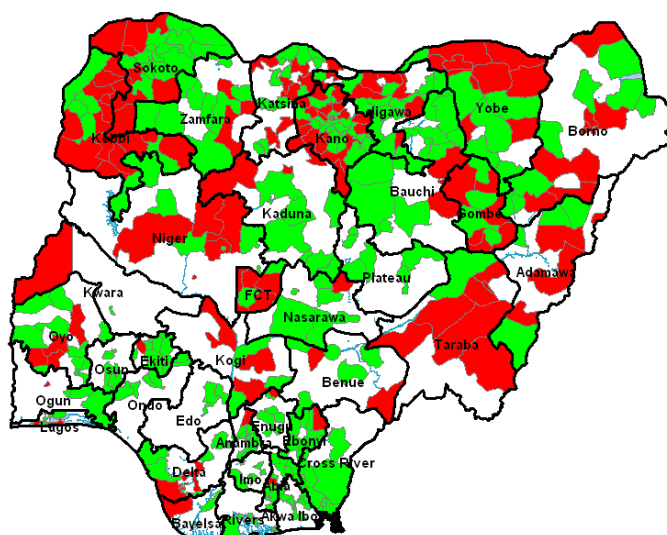
Issue: Volume 6 No. 43

4th November, 2016

Summary Table (IDSR Weekly Report as at 04/11/2016)

Disease	Variables	Week 42	Week 43		Cumulative Weeks	
		2016	2016	2015	01 - 43, 2016	01 - 43, 2015
AFP	Cases	353	222	205	11,518	6,932
	Deaths	0	0	0	0	0
	CFR	0.00%	0.00%	0.00%	0.00%	0.00%
Polio	WPV Types 1 & 3	0	0	0	4	0
	WPV Types 1	0	0	0	4	0
	WPV Types 3	0	0	0	0	0
Cholera	Cases	0	0	36	712	5056
	Deaths	0	0	0	32	184
	CFR	0.00%	0.00%	0.00%	4.49%	3.64%
Lassa Fever	Cases	1	1	1	859	245
	Deaths	0	0	0	102	7
	CFR	0.00%	0.00%	0.00%	11.87%	2.86%
CSM	Cases	5	11	3	758	2,670
	Deaths	1	0	0	31	130
	CFR	20.00%	0.00%	0.00%	4.09%	4.87%
Measles	Cases	235	172	451	23,589	21,519
	Deaths	0	0	0	100	99
	CFR	0.00%	0.00%	0.00%	0.42%	0.46%
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), Wks01-43, 2016



Suspected Outbreaks (OBs)=516, Cases=13255
Affected: #States=36 and FCT, #LGAs=400

Lab-confirmed Outbreaks (OBs)=147, Cases=832
Affected: #States=28, #LGAs=135.
(Generated from Measles-Lab Database)

Source: Measles Case-Based database as at 04-Nov-2016 (latest Onset: 20-Oct-2016)

1. **Lassa fever update for week 43 as at 4th November, 2016; (Please note that the data reflects the routine reports i.e. all suspected cases including the laboratory positive and negative cases)**

- 1.1. One suspected case of Lassa fever was reported from Owo LGA (Ondo State) in week 43, 2016 compared with 1 case from Bokkos LGA (Plateau State) at the same period in 2015 (Figure 1).
- 1.2. The Lab. result for the one (1) suspected case is still pending.
- 1.3. Between weeks 1 and 43 (2016), 859 suspected Lassa fever cases with 87 lab-confirmed and 102 deaths (CFR, 11.87%) from 139 LGAs (29 States) were reported compared with 245 suspected cases with 13 lab-confirmed and seven (7) deaths (CFR, 2.86%) from 22 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.

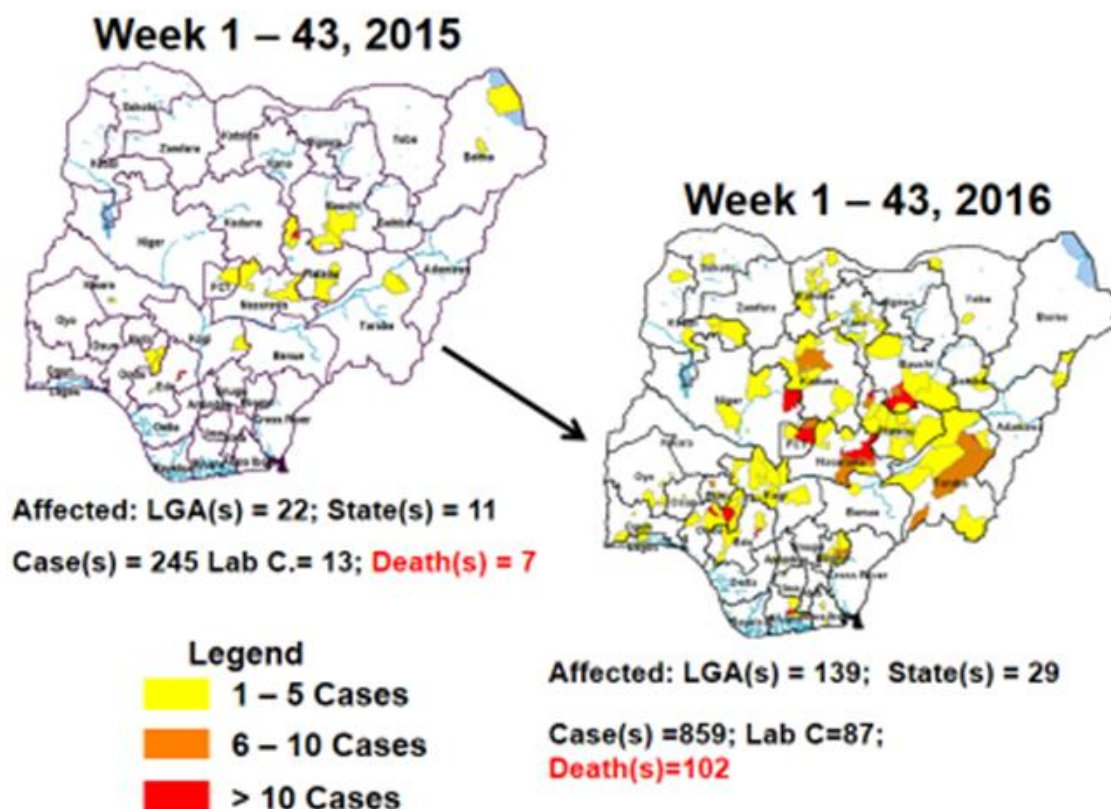


Figure 1: Map of Nigeria showing areas affected by Lassa fever, week 1- 43, 2015 & 2016

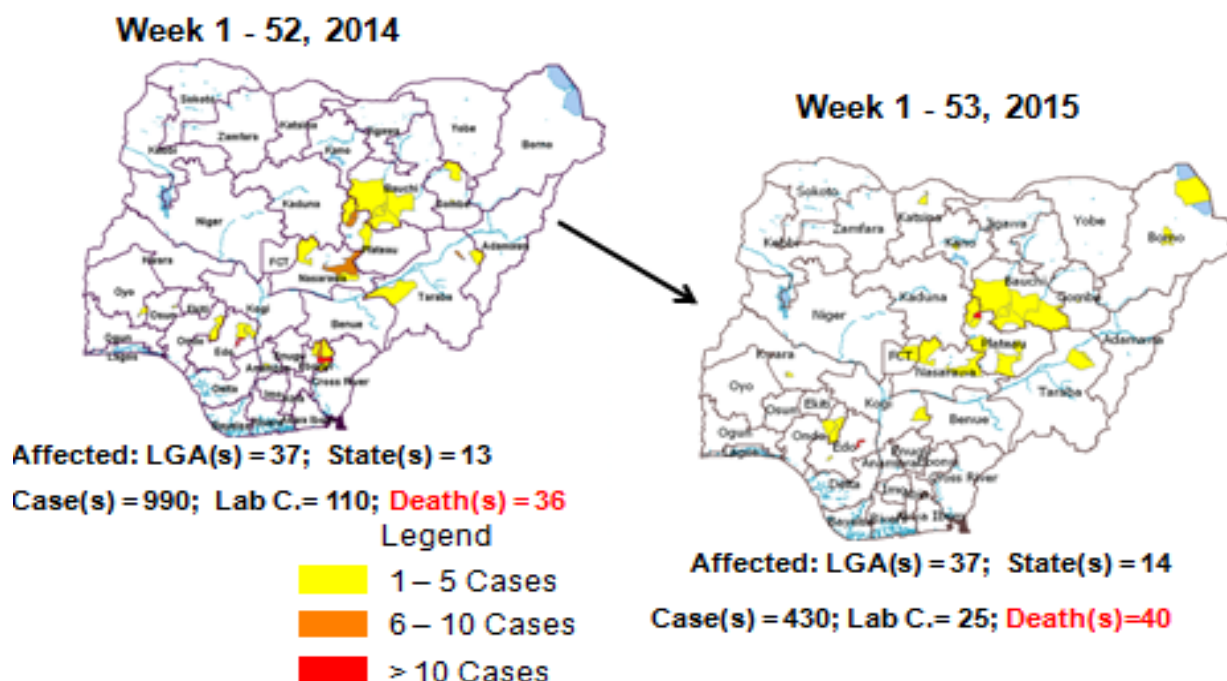


Figure 2: Map of Nigeria showing areas affected by Lassa fever, week 1 - 53, 2014 & 2015

2. Update on suspected Measles for week 43 as at 4th November, 2016

- 2.1. In the reporting week 43 (2016), one hundred & seventy-two (172) suspected cases of Measles were recorded from 26 States compared with 451 suspected measles cases from 26 States & FCT at the same period in 2015.
- 2.2. So far, 23,589 suspected Measles cases and 100 deaths (CFR, 0.42%) have been reported in 2016 from 36 states & FCT (Figure 3 & 4) compared with 21,519 suspected cases and 99 deaths (CFR, 0.40%) 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- 43, (2016) 10,674 confirmed Measles cases were recorded compared to 11,062 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 68.4% 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.

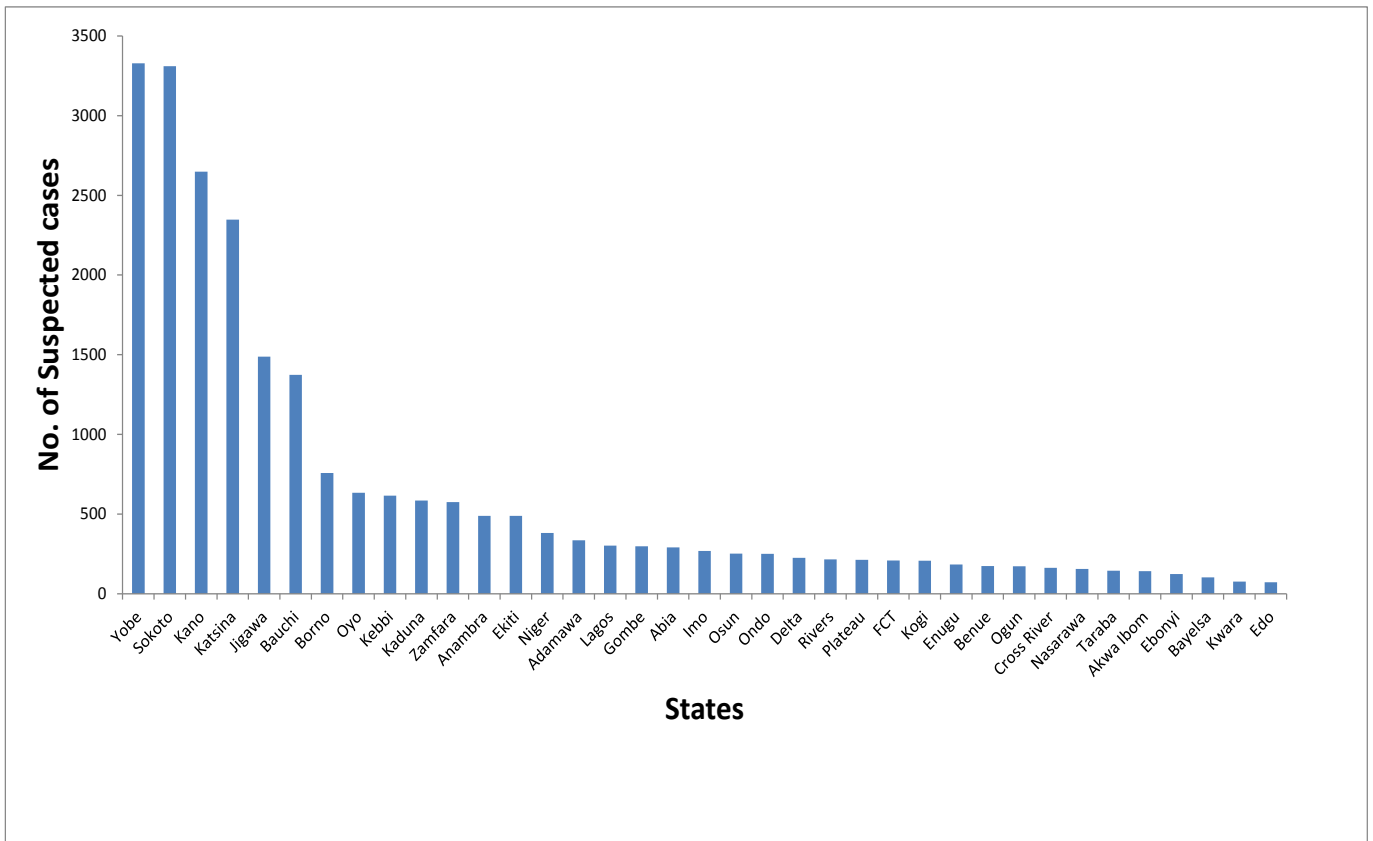


Figure 3: Suspected measles cases by States, week 43, 2016 as at 4th November, 2016

Distribution of Suspected Measles Cases, Wks01-43 2016

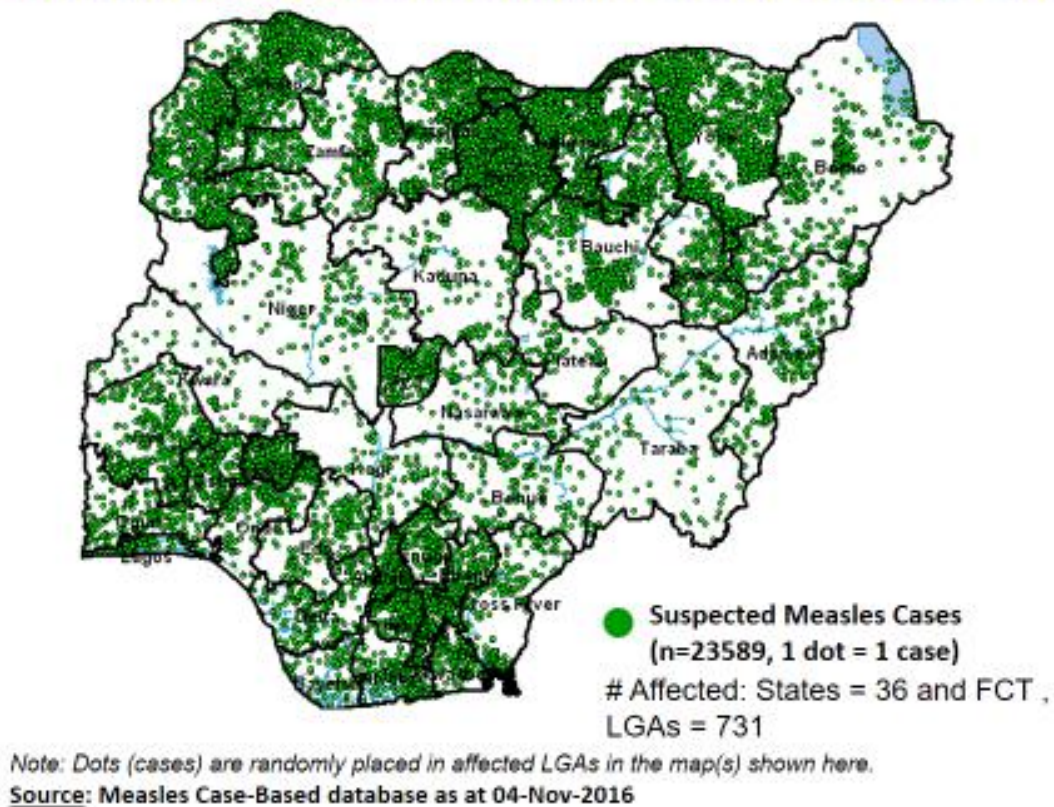


Figure 4: Nigeria: Distribution of suspected measles cases, week 1 - 43, 2016 as at 04/11/16

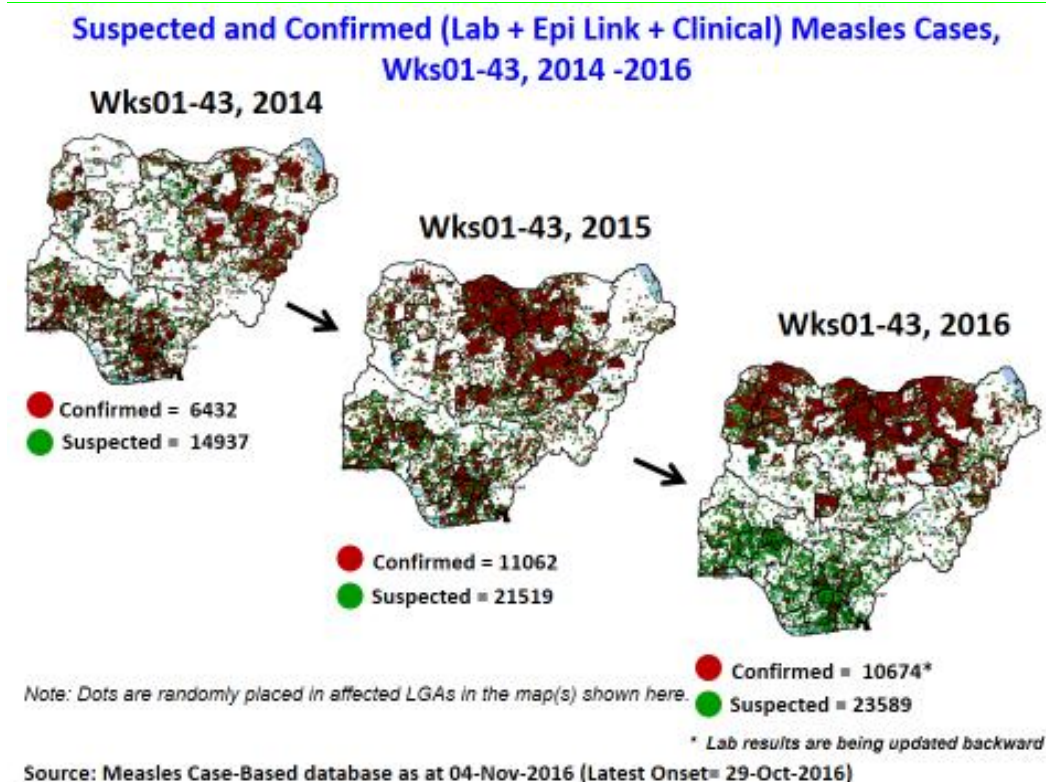


Figure 5: Nigeria: Suspected & Confirmed(Lab+Epi Link + Clinical) Measles cases, WK 1 - 43, 2014, 2015 & 2016

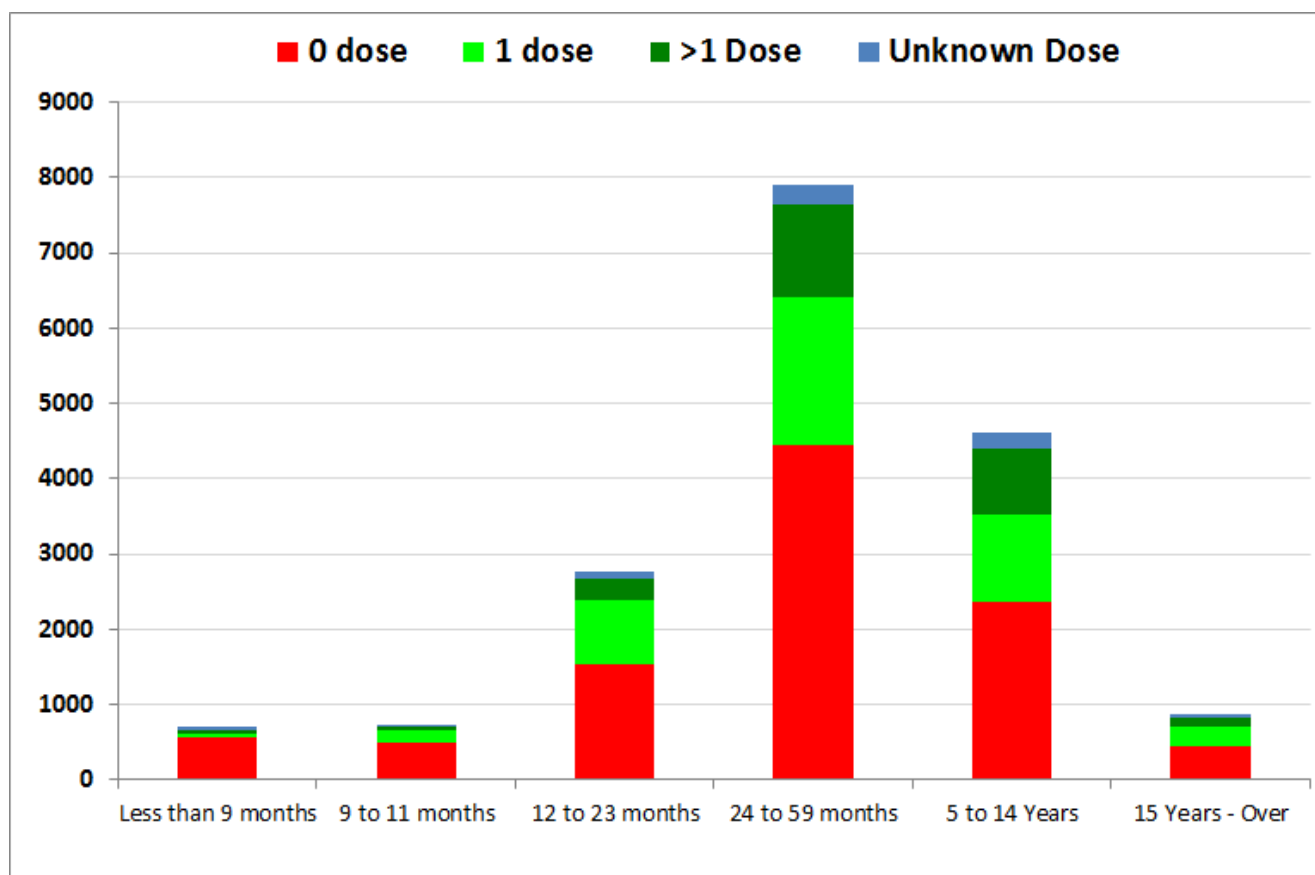


Figure 6: Age and vaccination status of suspected measles cases in Nigeria, week 1 - 43, 2016 as at November 4th, 2016

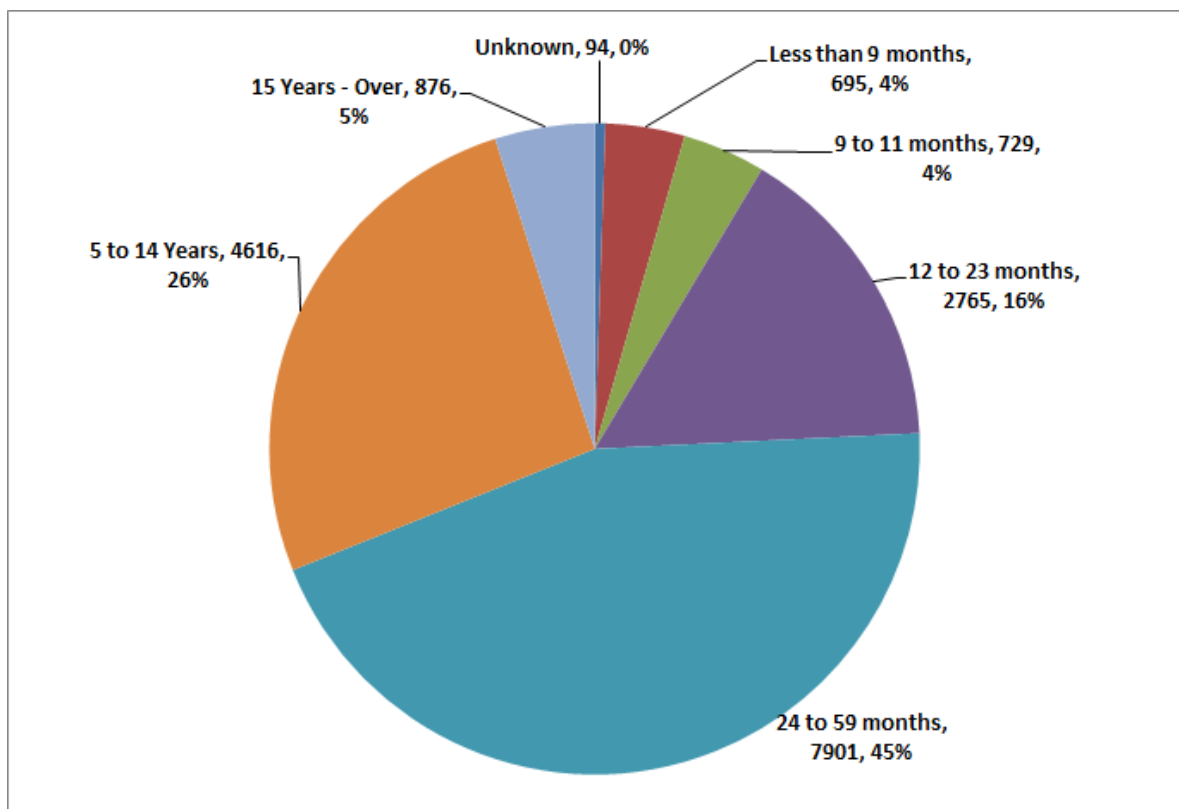
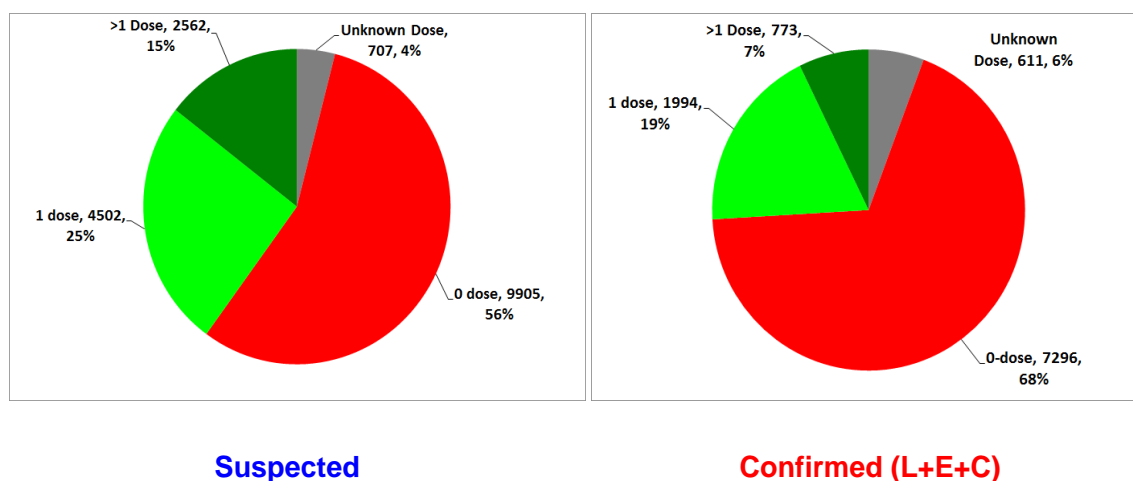


Figure 7: Breakdown of suspected measles cases by age group in Nigeria, week 1 - 43, 2016 as at 04/11/16

Vaccination Status of Suspected/ Confirmed(L+E+C) Measles Cases, Weeks01-43 2016

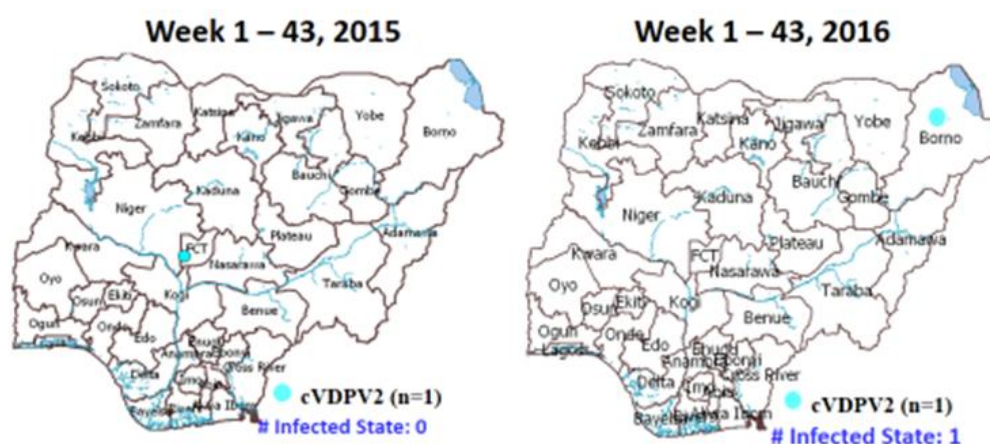
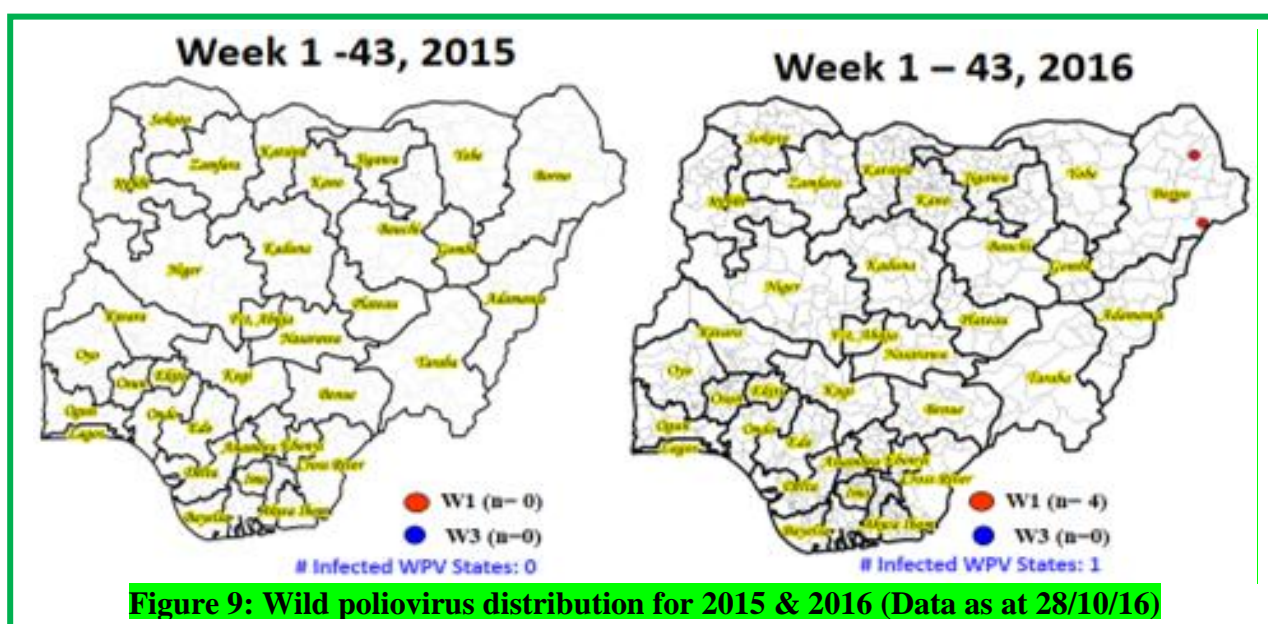


L+E+C = Lab-confirmed + EpiLink + Clinical

Figure 8: Vaccination status of suspected / Confirmed measles cases in Nigeria, week 1 - 43, 2016 as at 04/11/2016

3. Updates on poliomyelitis for week 43 as at October 28th , 2016

- 3.1. No Wild Polio Virus (WPV) was isolated in both weeks 43 of 2016 & 2015..
- 3.2. Between weeks 1 & 43, 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 - 43, 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.

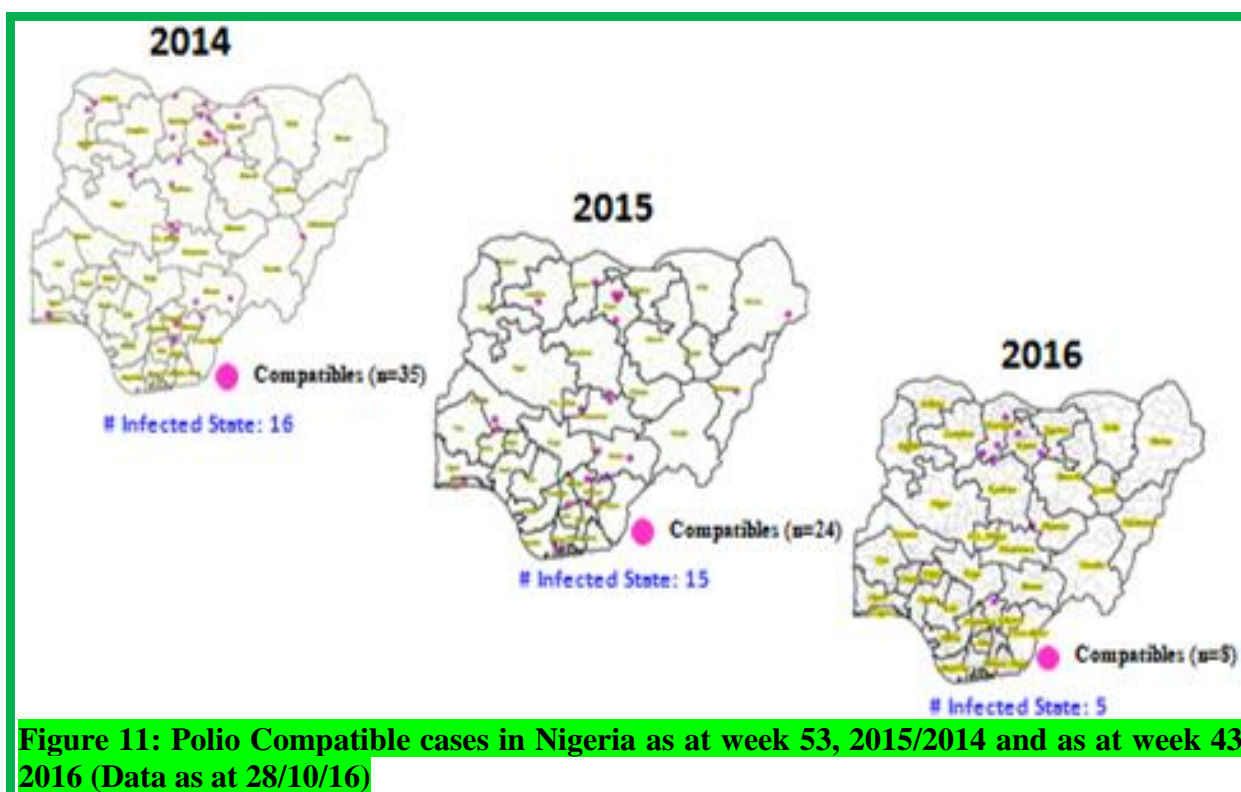


In 2016 Environmental surveillance detected 1 cVDPV2 in Borno State and 1 ambiguous vaccine derived poliovirus (aVDPV2) in Jigawa State.

Figure 10: cVDPV distribution in Nigeria for 2015 & 2016 (Data as at 28/10/16)

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- 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 10th August, 2016 with activities commencing from 15th August – 22nd November 2016. (Figure 12)
- 3.7 Investigation was conducted in the 3 affected LGAs (Gwoza, Jere and Monguno LGAs)
- 3.8 The first outbreak response (OBR) supplemental immunizations (House to house, Hit and run, and Health camps) with bOPV was conducted in 5 States in the North east (Borno, Yobe, Adamawa, Gombe and Taraba) from the 27th – 30th August 2016, while the second and third OBR were conducted in 18 States (11 high risk states plus Taraba, Adamawa, Gombe, Plateau, Nasarawa, Benue and the FCT from the 17th – 20th September 2016 and 15th – 18th October 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 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



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	Done
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 43 as at 4th November, 2016

- 4.1 In reporting week 43 (2016), no suspected cases of cholera was recorded compared with 36 cases from 2 LGAs (2 States) at the same period in 2015 (Figure 13).
- 4.2 Between weeks 1 and 43 (2016), 712 suspected cholera cases, 14 Lab confirmed and 32 deaths (CFR, 4.49%) from 48 LGAs (12 States) were reported compared with 5056 cases with 29 lab-confirmed and 184 deaths (CFR, 3.64%) from 96 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.

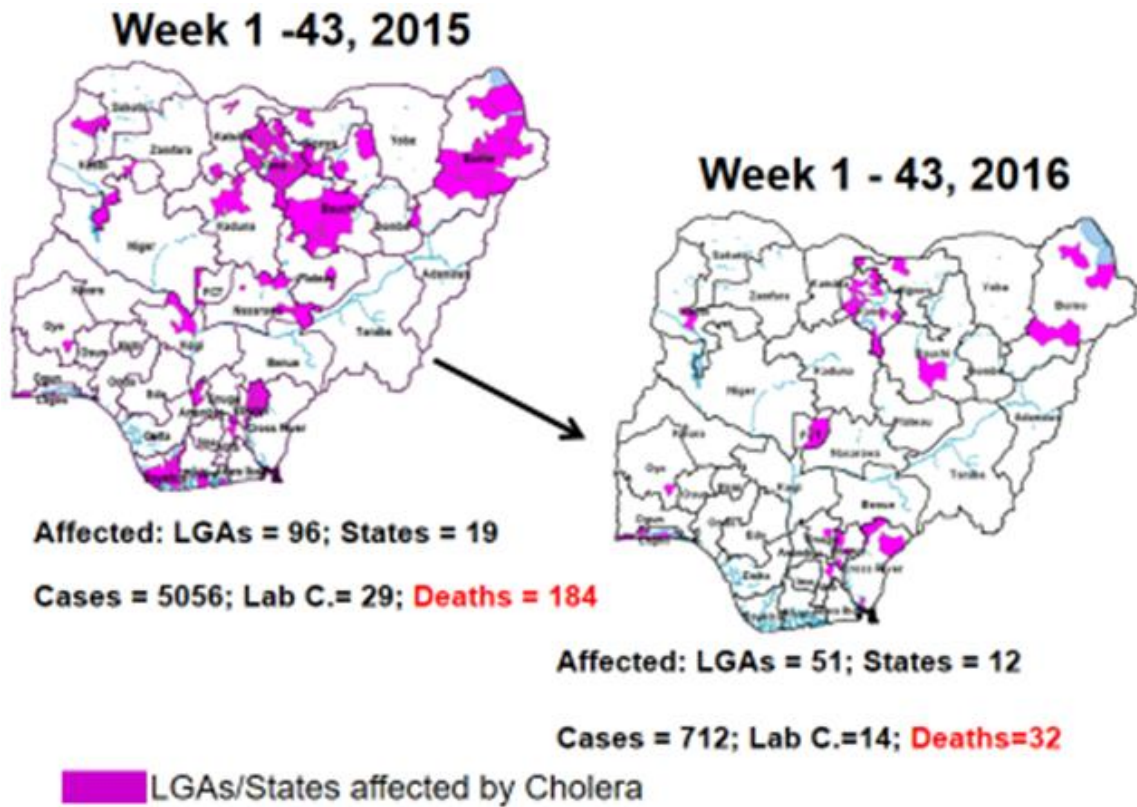


Figure 13: Status of LGAs/States that reported Cholera cases in week 1- 43, 2015 & 2016

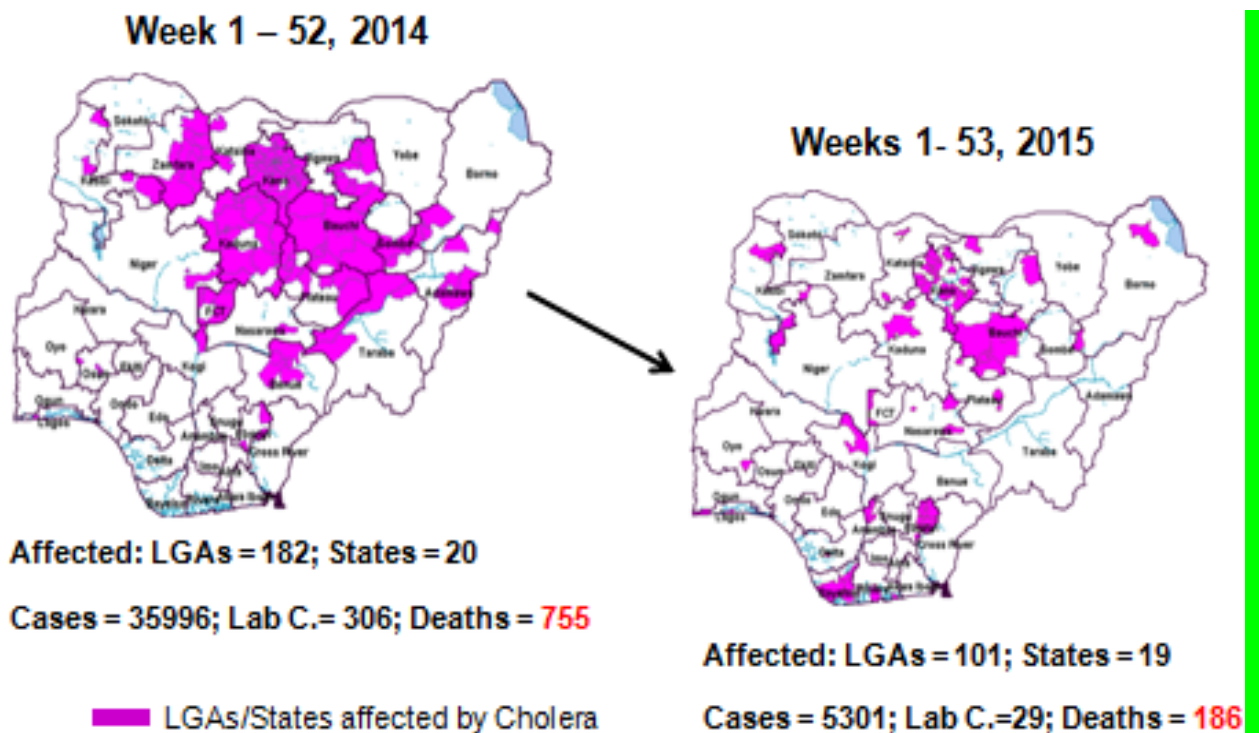


Figure 14: Status of LGAs/States that reported Cholera cases in week 1- 53, 2014 & 2015

5. Update on cerebrospinal meningitis (CSM) for week 43 as at 4th November, 2016

- 5.1. In the reporting week 43 (2016), 11 suspected cerebrospinal meningitis (CSM) cases were reported from 3 LGAs (3 States) compared with 3 cases from 2 LGAs (2 States) at the same period in 2015.
- 5.2. Between weeks 1 & 43 (2016), 758 suspected CSM cases with 39 Lab. confirmed and 31 deaths (CFR, 4.09%) were recorded from 144 LGAs (31 States) compared with 2670 suspected cases with 43 Lab. Confirmed and 130 deaths (CFR, 4.87%) from 160 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, 85.70% of the 26 endemic states sent CSM reports timely while 99.0% were complete in week 1 – 43, 2016 as against 81.6% timeliness and 99.3% completeness recorded within the same period in 2015.
- 5.5. Intensive Surveillance is on-going in high risk States.

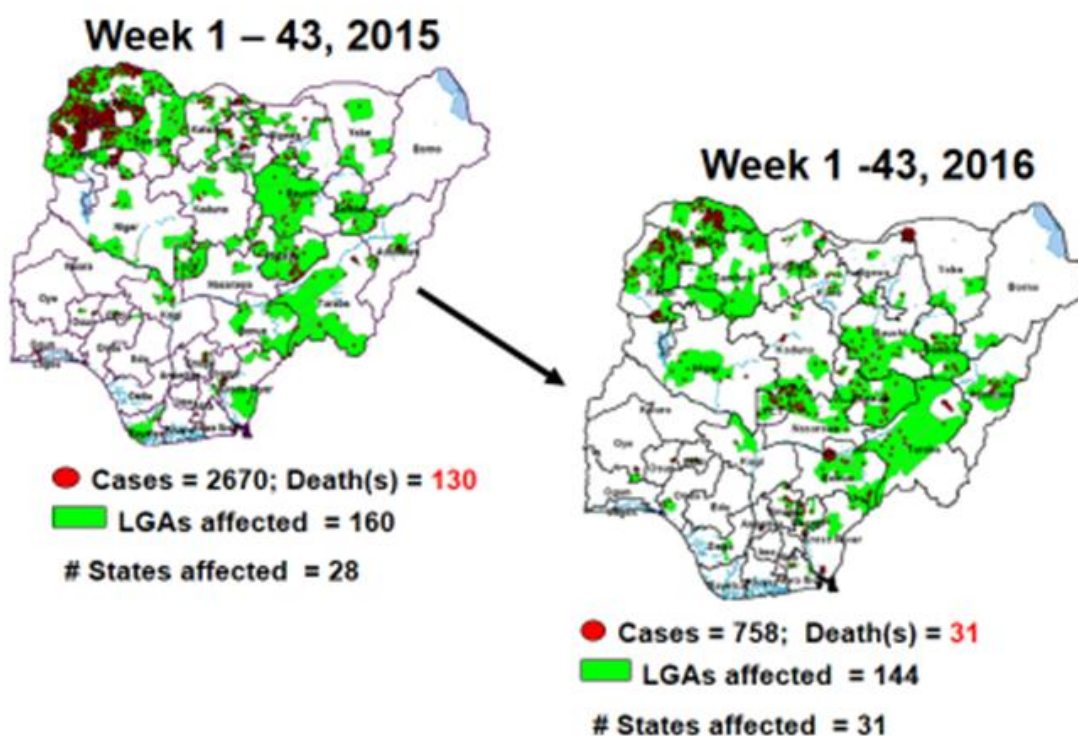
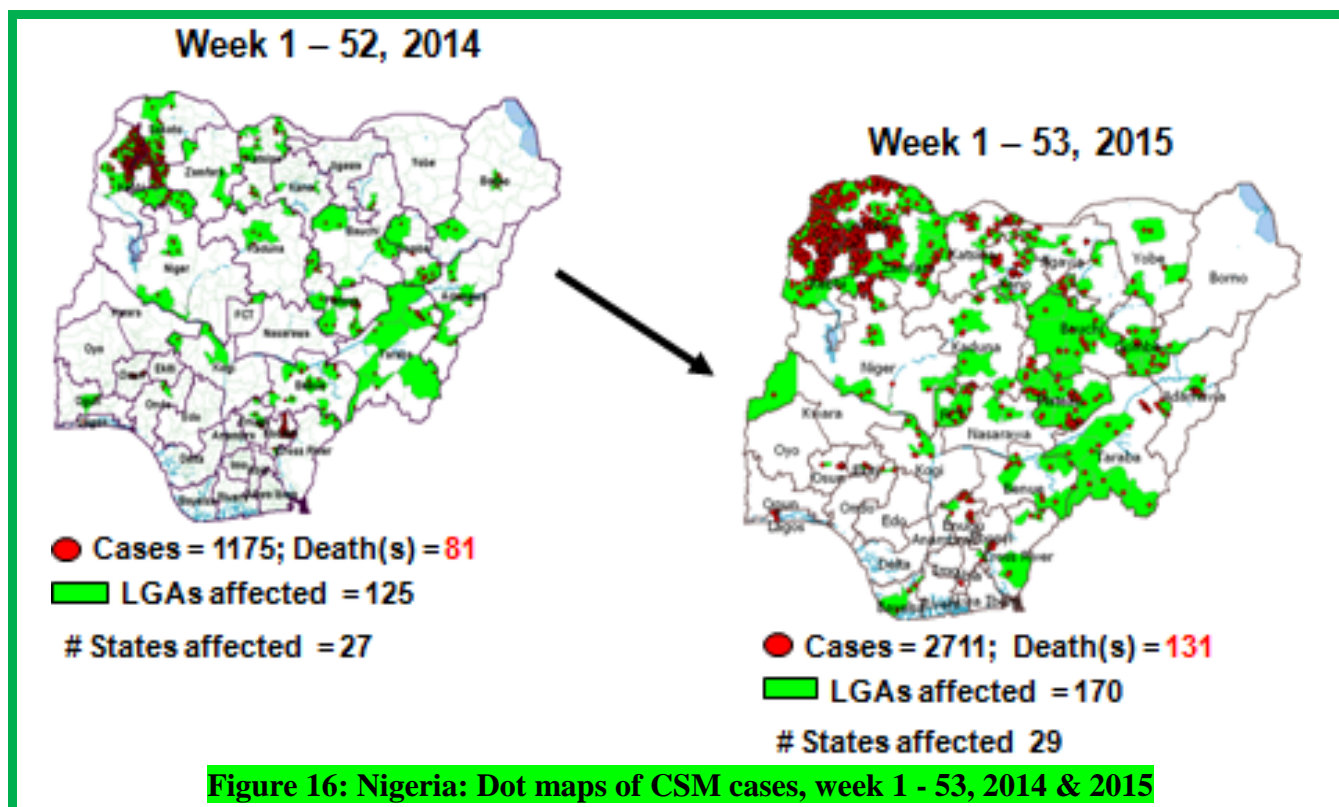


Figure 15: Map of Nigeria showing areas affected by CSM, week 1 – 43, 2015 & 2016



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)

Federal Ministry of Health - Nigeria

Table 2: Status of Reporting by the State Epidemiologists, Nigeria, Weeks 1 - 43, 2016, as at 4th November, 2016

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The WER is also available on the FMOH/NCDC website: www.fmh.gov.ng & www.ncdc.gov.ng

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Updates on Epidemics, Week 1- 43 (24th – 30th October, 2016) as at 4th November, 2016

SNO	State	StatePop2016	Status of Report	AFP				CSM				Cholera				Measles				Lassa Fever				Guineaworm Disease				HPAI				Other Diseases/Events				Remarks		
				New		Cumulative Data Wk01-43		New		Cumulative Data Wk01-43		New		Cumulative Data Wk01-43		New		Cumulative Data Wk01-43		New		Cumulative Data Wk01-43		New		Cumulative Data Wk01-43		New		Cumulative Data Wk01-43		New		Cumulative Data Wk01-43				
				Cases	Lab/Cld	Deaths	CFR	Cases	Lab/Cld	Deaths	CFR	Cases	Lab/Cld	Deaths	CFR	Cases	Lab/Cld	Deaths	CFR	Cases	Lab/Cld	Deaths	CFR	Cases	Lab/Cld	Deaths	CFR	Cases	Lab/Cld	Deaths	CFR	Cases	Lab/Cld	Deaths	CFR			
1	Abia	3,698,169	N			153				1				19				290																				
2	Adamawa	4,216,508	N			291				17								335	2	0.60																		
3	Akwa Ibom	5,476,644	T	8		215				3	1	33.33						141																				
4	Anambra	5,512,118	T	2		228				8	1					10		488																				
5	Bauchi	6,533,157	T	3		432				33	4	4	12.12		1	1	1	1373																				
6	Bayelsa	2,267,043	T	2		117								2				102																				
7	Benue	5,670,311	T	8		386				52				6				174																				
8	Borno	5,799,337	T	8		288				1		1	100.00		71		4	757	1	0.13																		
9	Cross River	3,844,999	T	1		107				16				2				162	2	2	1.23																	
10	Delta	5,615,784	N			47				1								225																				
11	Ebonyi	2,864,778	T	2		92		2		15				3		5		123																				
12	Edo	4,200,832	T	2		194								1				72																				
13	Ekiti	3,235,426	T	8		240				4						15		488																				
14	Enugu	4,377,536	T	5		201				9				2		3		184																				
15	FCT	3,419,323	T	5		350				32	1	3.13		47	9	19.15		209	1	0.46																		
16	Gombe	3,225,382	T	6		374				18						37		297																				
17	Imo	5,391,780	T	3		217								4				269																				
18	Jigawa	5,787,728	T	14		602				6				19				1488	40	2.69																		
19	Kaduna	8,152,952	T	7		589				14	3	21.43				4		584																				
20	Kano	12,983,043	T	28		1378				10	1	10.00		227	3	1.32	8	2648	18	0.68								26		996	15	2	0.20					
21	Katsina	7,784,740	T	13		485				10	3	30.00				3	2348	4	0.17																			
22	Kebbi	4,384,887	T	13		885				82	17	9	10.98		8	1	12.50	5	616																			
23	Kogi	4,406,012	T	7		199				1	1	100.00				6		207																				
24	Kwara	3,186,545	N			75												76																				
25	Lagos	12,950,714	T	4		262				19				291	11	16	5.50	4	302																			
26	Nasarawa	2,504,086	T	5		176				32				6				156																				
27	Niger	5,518,612	T	4		126				12								381																				
28	Ogun	5,158,109	T	1		232								2				172																				
29	Ondo	4,624,449	T	3		293				1				3				250			1																	
30	Osun	4,691,068	T	3		118				4				12				251																				
31	Oyo	7,811,611	T			156				21				20	2	3	15.00	6	634																			
32	Plateau	4,149,116	T	6		358				30								212																				
33	Rivers	7,244,154	T	19		310								2				216																				
34	Sokoto	4,988,458	T	12		407				179	15	5	2.78				12	3311	11	0.33																		
35	Taraba	3,036,153	T	2		311		2		35								144																				
36	Yobe	3,274,833	T	5		318		7		75				9				3329	19	0.57																		
37	Zamfara	4,468,775	L	13		216				17	2	2	11.78					575	2	0.35																		
Total				191,843,149	327=86%	222				11				758	39	31	4.08		23589	2	100	0.42	1					31		1854	15	8	0.43			128	3	2.34

Please note that the reporting status in this table is from WHO State

Source: Epid Division, Public Health Dept, FMOH

Status of Report: T=Timely, L=Late, N=No Report