

Weekly Epidemiology Report



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

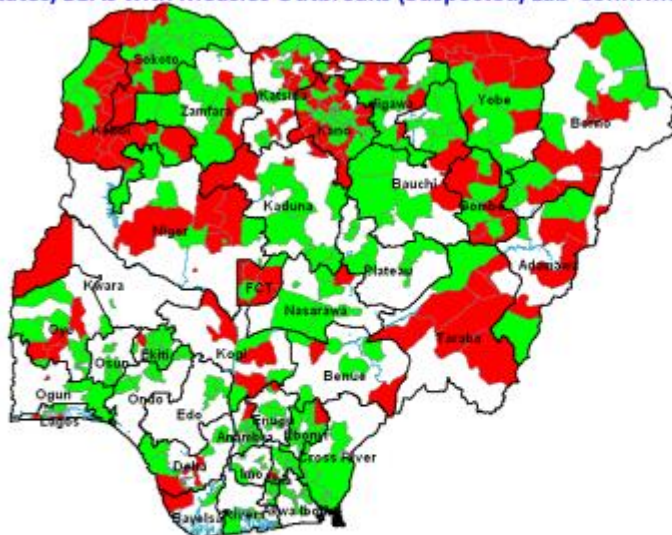
Issue: Volume 6 No. 44

11th November, 2016

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

Disease	Variables	Week 43	Week 44		Cumulative Weeks	
		2016	2016	2015	01 - 44, 2016	01 - 44, 2015
AFP	Cases	222	215	134	11,769	7,071
	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	2	30	714	5184
	Deaths	0	0	2	32	186
	CFR	0.00%	0.00%	6.67%	4.48%	3.59%
Lassa Fever	Cases	1	5	25	864	270
	Deaths	0	3	0	105	7
	CFR	0.00%	60.00%	0.00%	12.15%	2.59%
CSM	Cases	11	13	2	773	2,672
	Deaths	0	0	0	31	130
	CFR	0.00%	0.00%	0.00%	4.01%	4.87%
Measles	Cases	172	194	309	23,809	21,852
	Deaths	0	0	0	100	99
	CFR	0.00%	0.00%	0.00%	0.42%	0.45%
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- 44, 2016



■ Suspected Outbreaks (OBs)=519 , Cases=13280
■ Lab-confirmed Outbreaks (OBs)=149, Cases=840
 Affected: #States=36 and FCT, #LGAs=401
 Affected: #States=29, #LGAs=136.
 (Generated from Measles-Lab Database)

Source: Measles Case-Based database as at 11-Nov-2016 (latest Onset: 05-Nov-2016)

1. **Lassa fever update for week 44 as at 11th 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. Five suspected cases of Lassa fever with 2 Lab. Confirmed and 3 deaths (CFR, 60%) were reported from 4 LGA (4 States) in week 44, 2016 compared with 25 cases from 2 LGAs (2 States) at the same period in 2015 (Figure 1).
- 1.2. The 2 positive cases were from Bauchi and Nasarawa States while remaining 3 cases (FCT; 2 & Kogi State; 1) were negative for Lassa fever and other VHF.
- 1.3. Between weeks 1 and 44 (2016), 864 suspected Lassa fever cases with 88 lab-confirmed and 105 deaths (CFR, 12.15%) from 139 LGAs (29 States) were reported compared with 270 suspected cases with 13 lab-confirmed and seven (7) deaths (CFR, 2.59%) from 23 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 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 VHF prepositioned across the country by NCDC
- 1.5.3. New VHF guidelines being produced by NCDC
- 1.5.4. States are enjoined to intensify surveillance

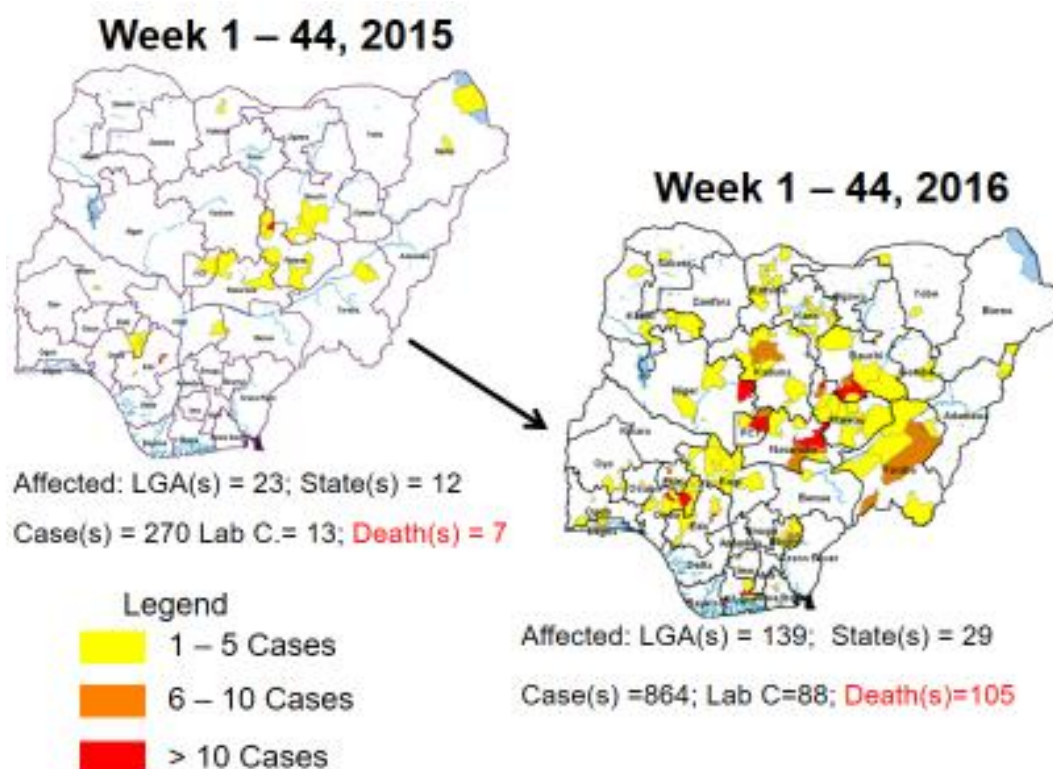


Figure 1: Map of Nigeria showing areas affected by Lassa fever, week 1- 44, 2015 & 2016

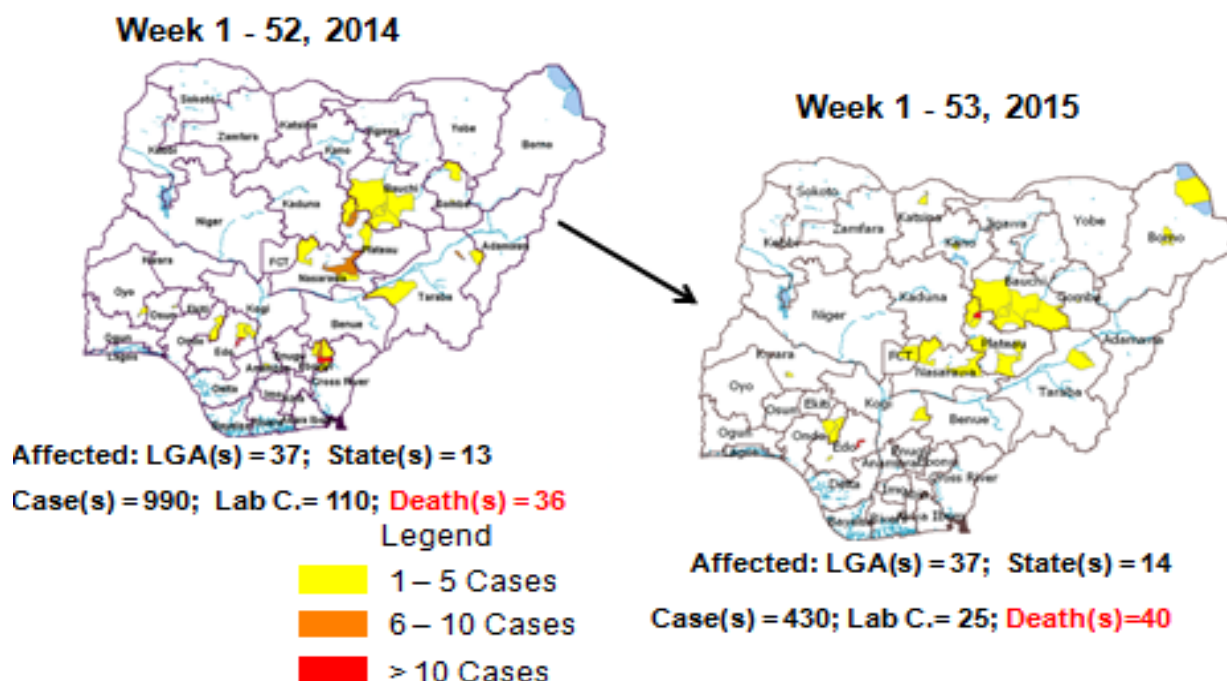


Figure 2: Map of Nigeria showing areas affected by Lassa fever, week 1 - 53, 2014 & 2015

2. Update on suspected Measles for week 44 as at 11th November, 2016

- 2.1. In the reporting week 44 (2016), one hundred & ninety-four (194) suspected cases of Measles were recorded from 30 States compared with 309 suspected measles cases from 26 States & FCT at the same period in 2015.
- 2.2. So far, 23,809 suspected Measles cases and 100 deaths (CFR, 0.42%) have been reported in 2016 from 36 states & FCT (Figure 3 & 4) compared with 21,852 suspected cases and 99 deaths (CFR, 0.45%) 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- 44, (2016) 10,671 confirmed Measles cases were recorded compared to 11,267 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 68.3% 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.

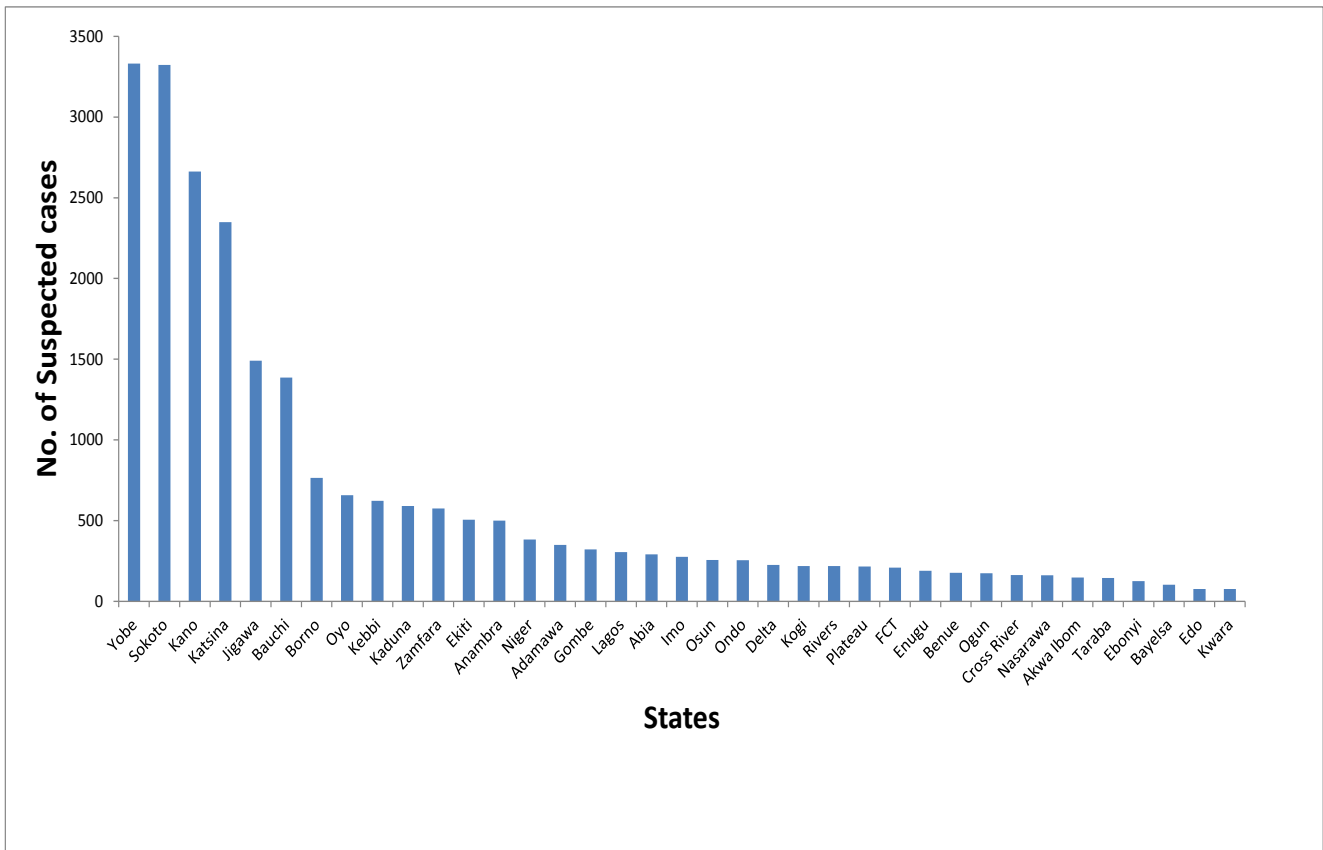
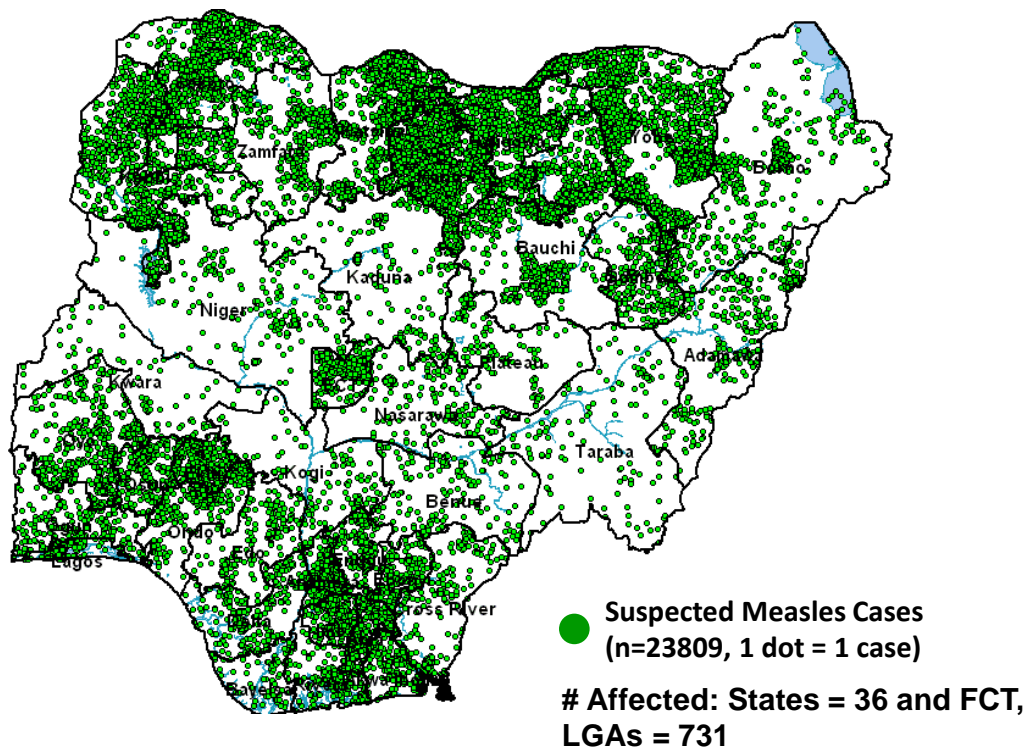


Figure 3: Suspected measles cases by States, week 44, 2016 as at 11th November, 2016

Distribution of Suspected Measles Cases, Wks01- 44 2016

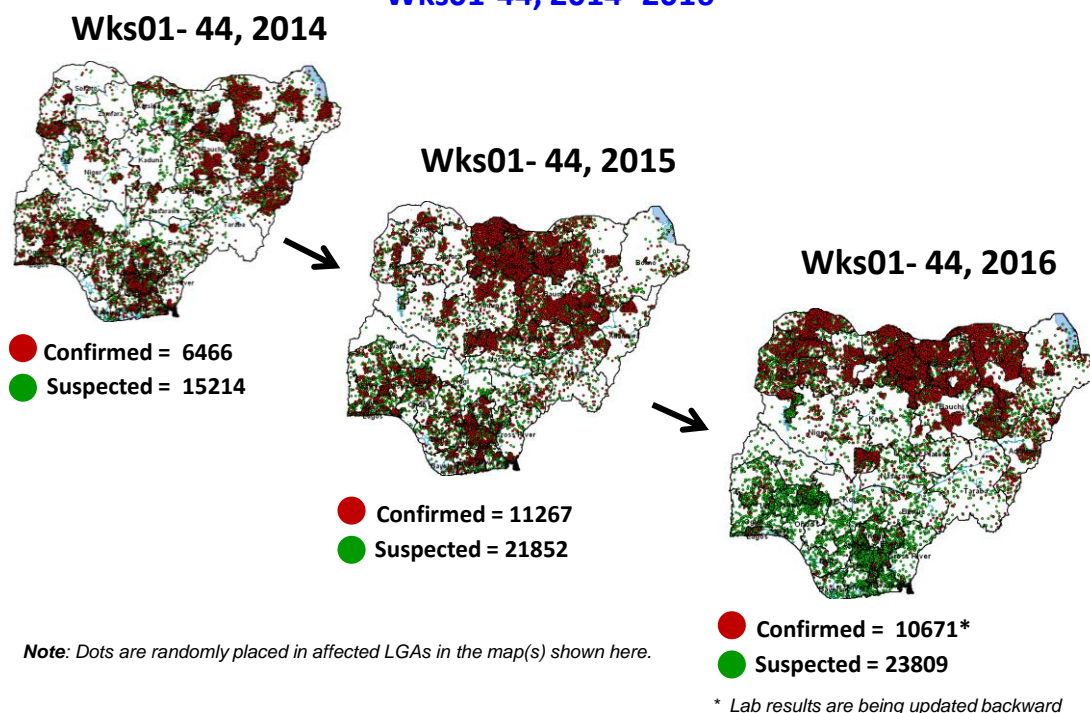


Note: Dots (cases) are randomly placed in affected LGAs in the map(s) shown here.

Source: Measles Case-Based database as at 11-Nov-2016

Figure 4: Nigeria: Distribution of suspected measles cases, week 1 - 44, 2016 as at 11/11/16

**Suspected and Confirmed (Lab + Epi Link + Clinical) Measles Cases,
Wks01-44, 2014 -2016**



Source: Measles Case-Based database as at 11-Nov-2016 (Latest Onset= 29-Oct-2016)

Figure 5: Nigeria: Suspected & Confirmed(Lab+Epi Link + Clinical) Measles cases, WK 1 - 44, 2014, 2015 & 2016

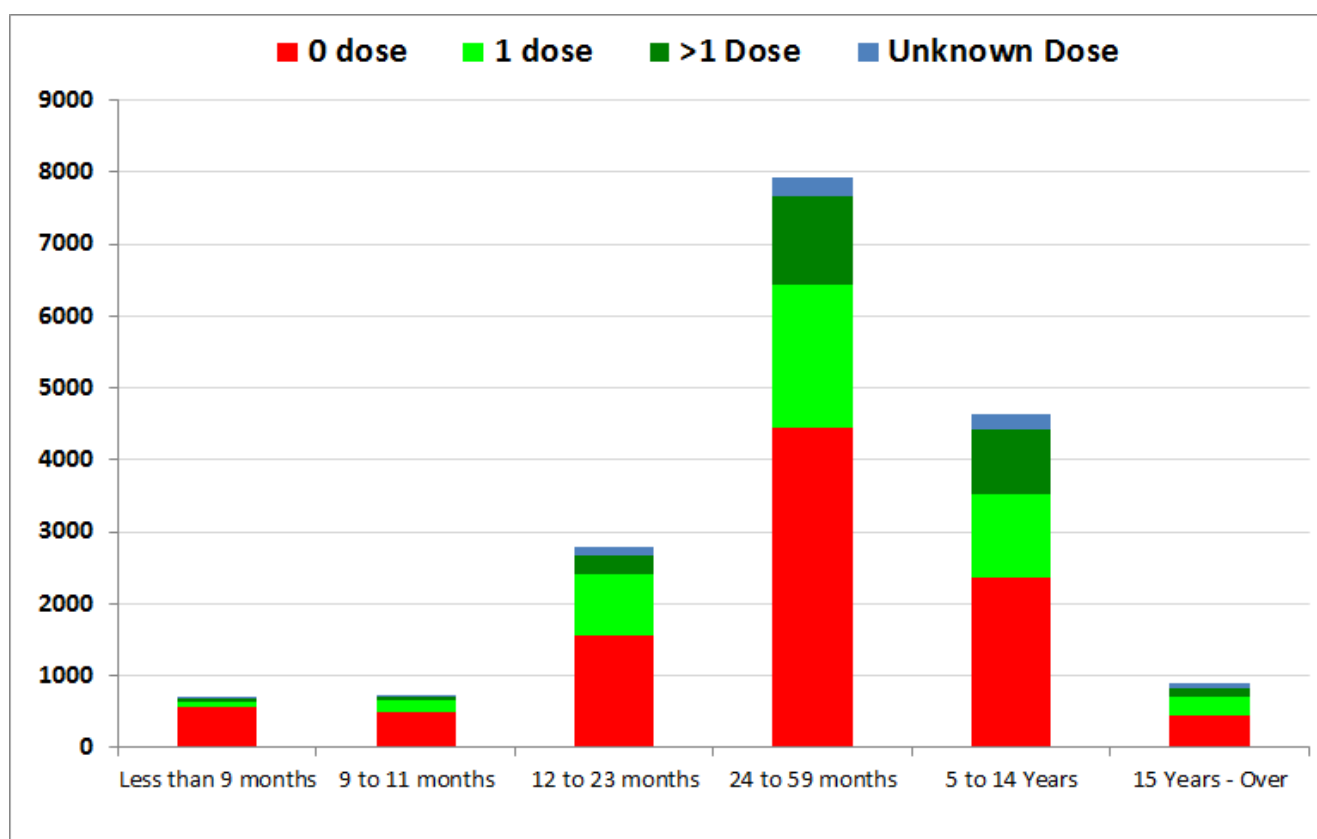


Figure 6: Age and vaccination status of suspected measles cases in Nigeria, week 1 - 44, 2016 as at November 11th, 2016

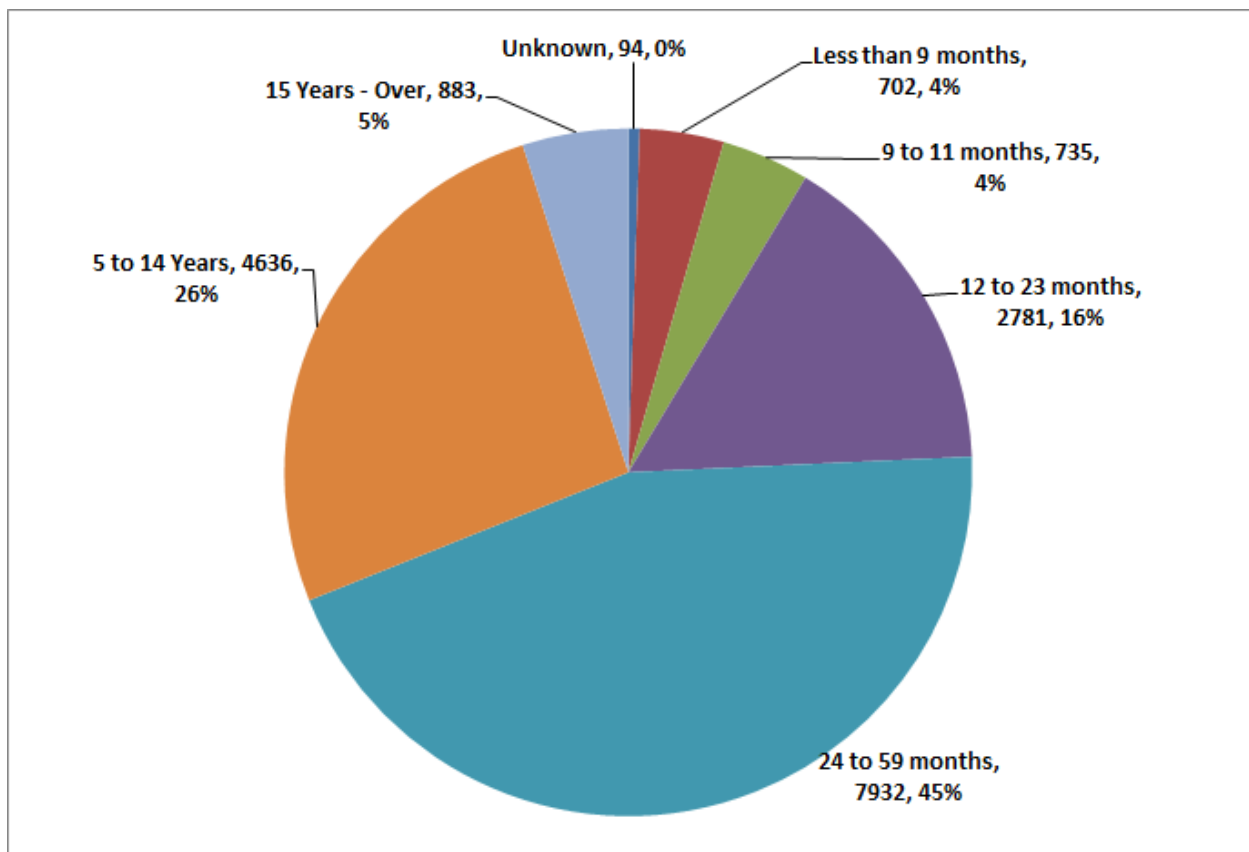
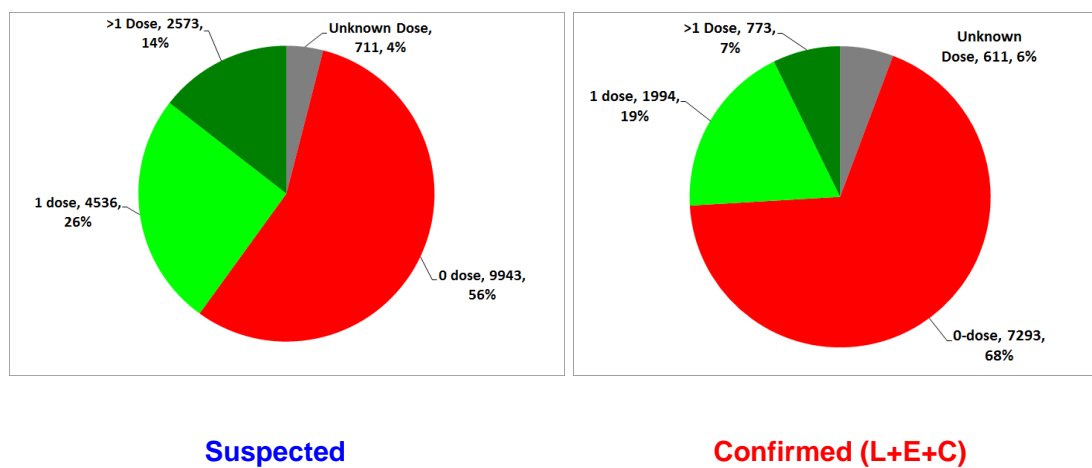


Figure 7: Breakdown of suspected measles cases by age group in Nigeria, week 1 - 44, 2016 as at 11/11/16

Vaccination Status of Suspected/ Confirmed(L+E+C) Measles Cases, Weeks01- 44 2016

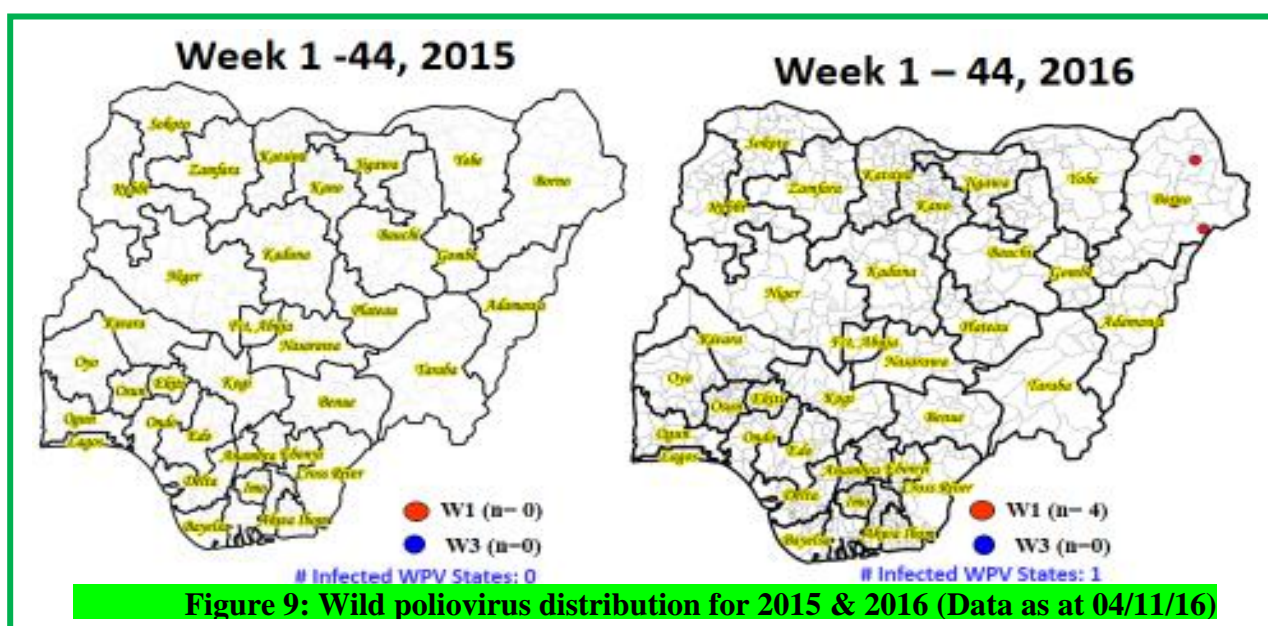


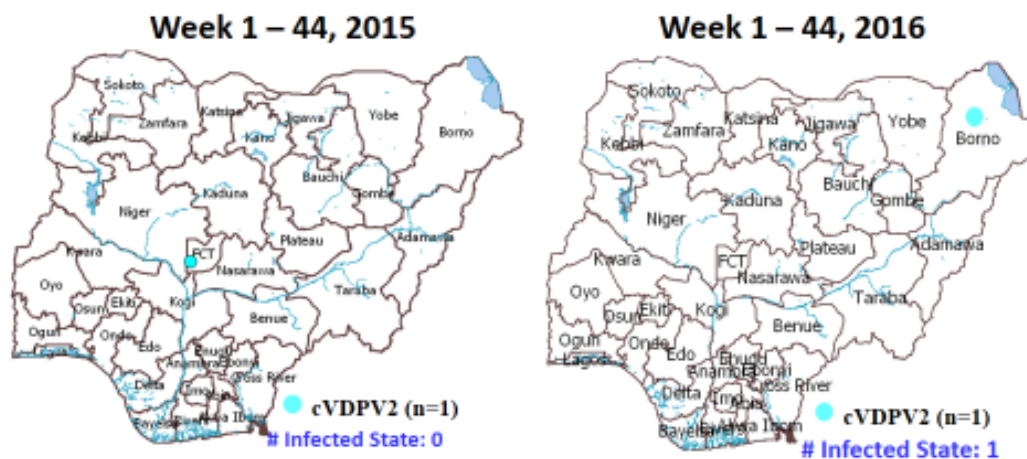
L+E+C = Lab-confirmed + EpiLink + Clinical

Figure 8: Vaccination status of suspected / Confirmed measles cases in Nigeria, week 1 - 44, 2016 as at 11/11/2016

3. Updates on poliomyelitis for week 44 as at November 4th , 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 44 (2016), 215 cases of AFP were reported from 173 LGAs in 34 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. The 4th round of the outbreak response (NIPDs) is on-going in 18 high risk states
- 3.4. Between weeks 1 & 44, 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 - 44, 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.

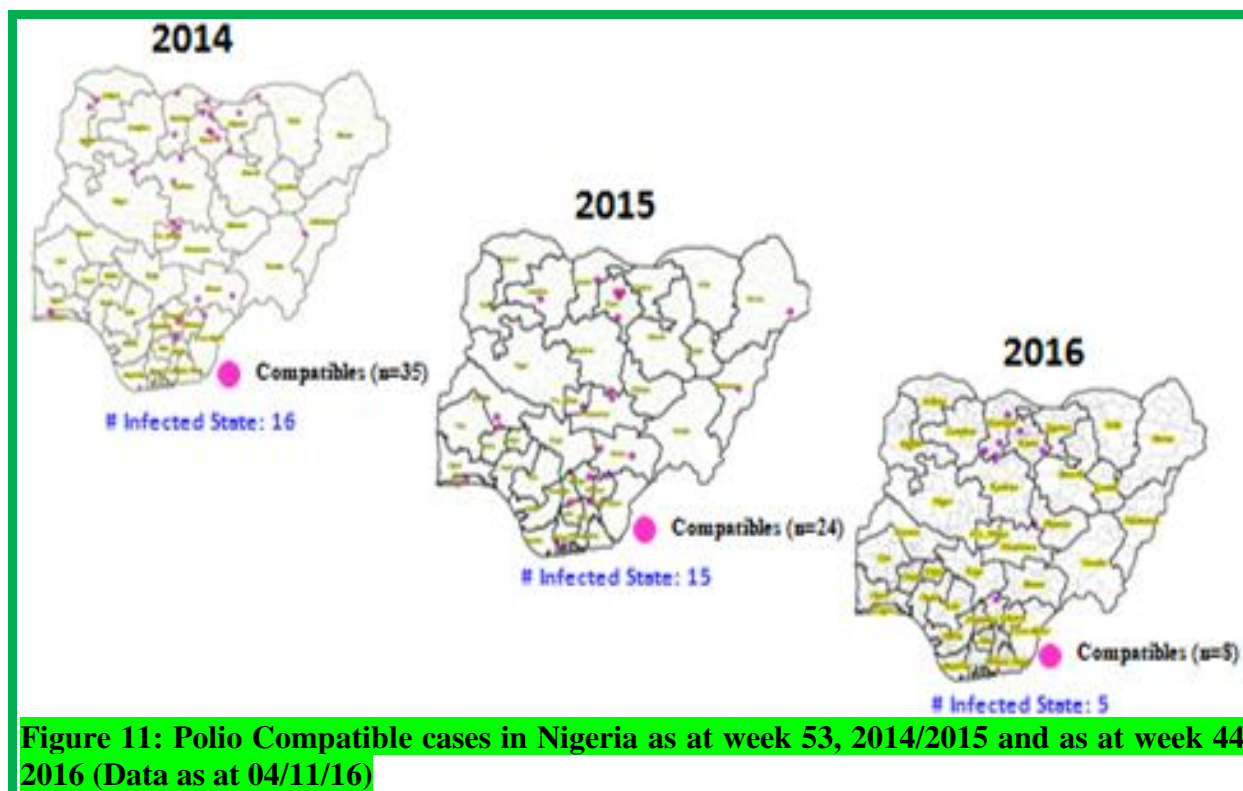




In 2016 Environmental surveillance detected 1 cVDPV2 in Borno State and 1 ambiguous vaccine derived poliovirus (aVDPV2) in Jigawa State.

Figure 10: cVDPV distribution in Nigeria for 2015 & 2016 (Data as at 04/11/16)

- 3.6 In response to the isolation of WPV1 in the Country, an outbreak response plan was developed for supplemental immunizations (House to house, Hit and run, and Health camps) with bOPV in high risk states (Figure 12)
- 3.7 The first outbreak response (OBR) 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. The 4th outbreak response is scheduled from the 12th – 15th November 2016 in 18 high risk states
- 3.8 From January – May, 2016 (4) Supplemental Immunization Activities (SIAs) for Oral Polio Vaccine (OPV) were conducted across the country using tOPV .
- 3.9 The SIAs were strengthened with the following events:
 - 3.9.1 Immunization for all vaccine-preventable diseases in some selected wards/LGAs.
 - 3.9.2 Use of health camp facilities.
 - 3.9.3 Field supportive supervision and monitoring.
 - 3.9.4 Improved Enhanced Independent Monitoring (EIM) and Lots Quality Assessments (LQAs) in all Polio-high risk States.
 - 3.9.5 High level of accountability framework



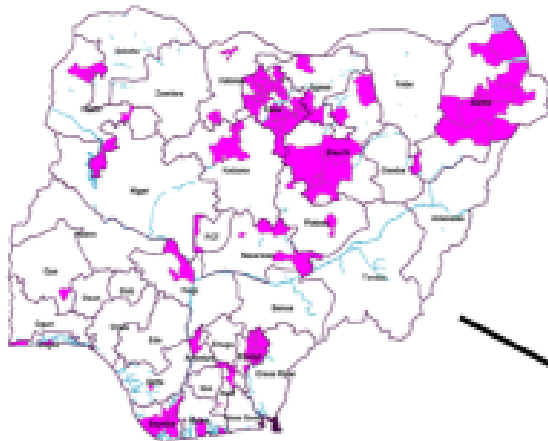
Outbreak Response Round	Scope	Date	Type of Antigen	Status
Immediate	Borno State (Gwoza, Jere, MMC, Bama and 1 ward in Mafa LGAs)	15 th – 18 th August 2016	bOPV2	Done
1	Borno, Yobe, Adamawa, Gombe, Taraba	27 th – 30 th August 2016	bOPV2	Done
2	11 HR States + Adamawa, Gombe, Taraba, Nasarawa, Benue, Plateau, 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 44 as at 11th November, 2016

- 4.1 In reporting week 44 (2016), 2 suspected cases of cholera were recorded in Kosofe LGA (Lagos State) compared with 30 cases and 2 deaths (CFR, 6.67%) from 3 LGAs (Kano State) at the same period in 2015 (Figure 13).
- 4.2 Between weeks 1 and 44 (2016), 714 suspected cholera cases, 14 Lab confirmed and 32 deaths (CFR, 4.48%) from 51 LGAs (12 States) were reported compared with 5184 cases with 29 lab-confirmed and 186 deaths (CFR, 3.59%) from 97 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.

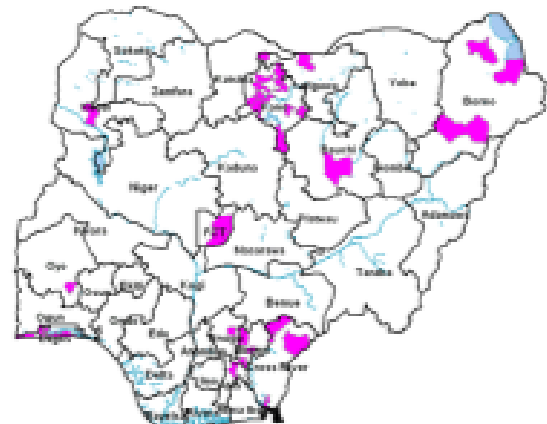
Week 1 – 44, 2015



Affected: LGAs = 97; States = 19

Cases = 5184; Lab C.= 29; Deaths = 186

Week 1 – 45, 2016



Affected: LGAs = 51; States = 12

Cases = 714; Lab C.=14; Deaths=32

 LGAs/States affected by Cholera

Figure 13: Status of LGAs/States that reported Cholera cases in week 1- 44, 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 44 as at 11th November, 2016

- 5.1. In the reporting week 44 (2016), 13 suspected cerebrospinal meningitis (CSM) cases were reported from 6 LGAs (4 States) compared with 2 cases from 2 LGAs (Gombe State) at the same period in 2015.
- 5.2. Between weeks 1 & 44 (2016), 773 suspected CSM cases with 39 Lab. confirmed and 31 deaths (CFR, 4.01%) were recorded from 147 LGAs (31 States) compared with 2672 suspected cases with 43 Lab. Confirmed and 130 deaths (CFR, 4.87%) from 161 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 99.3% were complete in week 1 – 44, 2016 as against 81.8% timeliness and 99.3% completeness recorded within the same period in 2015.
- 5.5. Intensive Surveillance is on-going in high risk States.

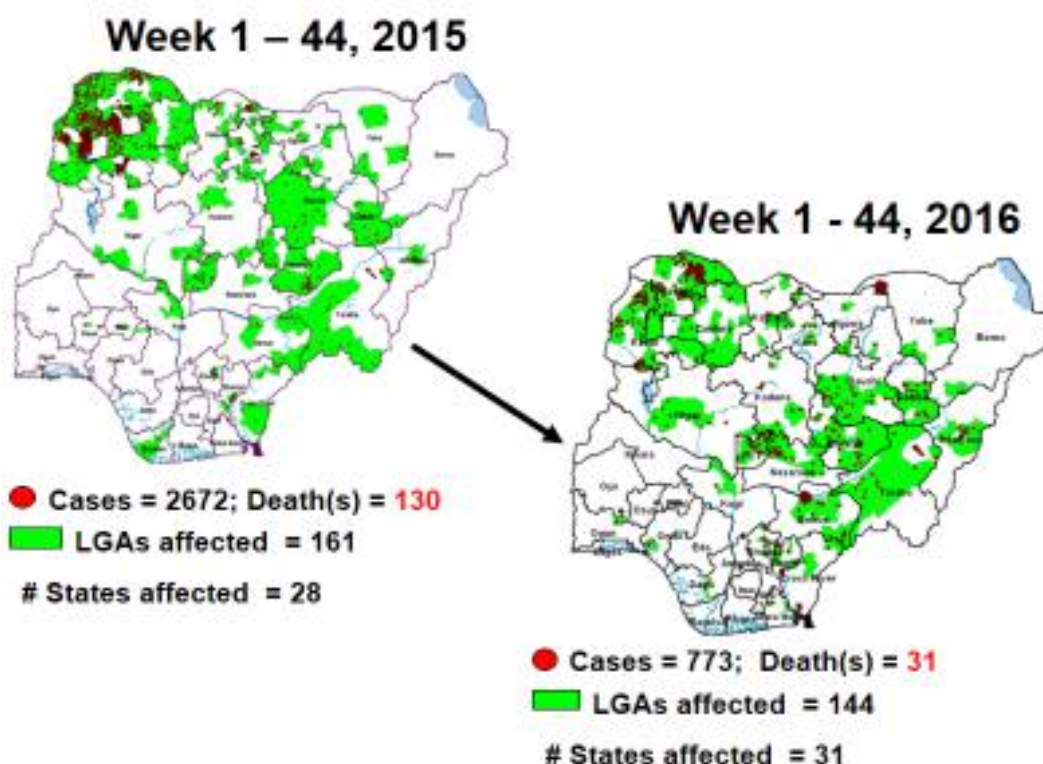
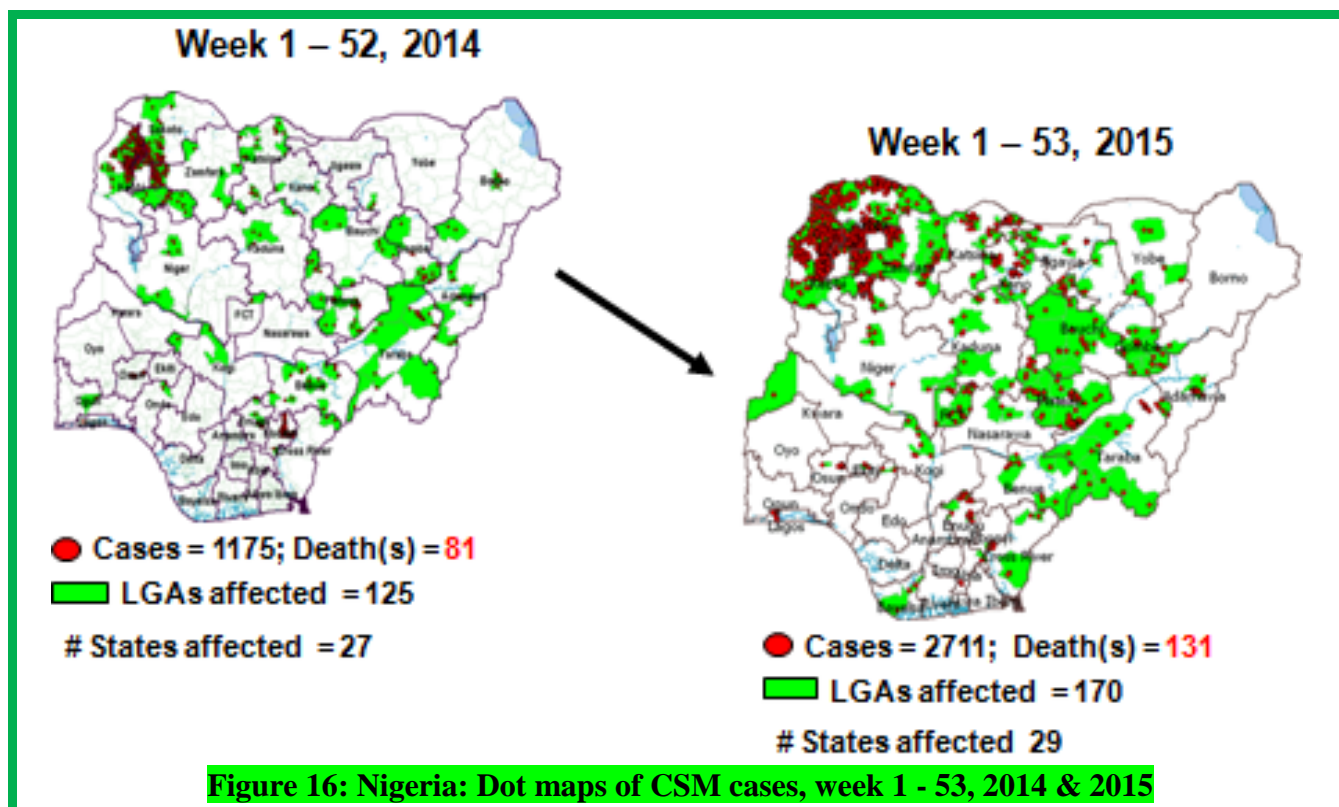


Figure 15: Map of Nigeria showing areas affected by CSM, week 1 – 44, 2015 & 2016



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 - 44, 2016, as at 11th November, 2016

[illegible]

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The FMOH is currently circulating the WER to many institutions and organizations (private and public) including individual health professionals

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

Federal Ministry of Health - Nigeria

Updates on Epidemics, Week 1- 44 (31st October – 6th November, 2016) as at 11th November, 2016

SNO	State	StatePop2016	Status of Report	AFP					CSM					Cholera					Measles					Lassa Fever					Guineaworm Disease					HPAI					Other Diseases/Events					Remarks
				New			Cumulative Data Wk01-44		New			Cumulative Data Wk01-44		New			Cumulative Data Wk01-44		New			Cumulative Data Wk01-44		New			Cumulative Data Wk01-44		New			Cumulative Data Wk01-44		New			Cumulative Data Wk01-44							
				Cases	Lab/Cld	Deaths	Cases	Lab/Cld	Deaths	CFR	Cases	Lab/Cld	Deaths	Cases	Lab/Cld	Deaths	CFR	Cases	Lab/Cld	Deaths	Cases	Lab/Cld	Deaths	CFR	Cases	Lab/Cld	Deaths	Cases	Lab/Cld	Deaths	CFR	Cases	Lab/Cld	Deaths	Cases	Lab/Cld	Deaths	CFR						
1	Abia	3,698,169	N			153				1				19				290																										
2	Adamawa	4,216,506	L	8		324		1		18						4		349	2	0.57			8		1	12.58			4															
3	Akwa Ibom	5,476,644	T	6		221				3	1	33.33				6		147				3	1	1	33.33																			
4	Anambra	5,512,118	T	3		231				8	1					11		499				1	1	1	100.00																			
5	Bauchi	6,533,157	T	7		443				35	4	4	11.43		1	1	7		1386		1	1	1	33	6	7	21.21			2														
6	Bayelsa	2,267,043	T	5		122										1		103										1																
7	Benue	5,670,311	T	11		398				52						2		176				3																						
8	Borno	5,798,337	T	3		291				1	1	100.00		71		8		765	1	0.13								1																
9	Cross River	3,844,999	T	1		108				16				4				162	2	2	1.23																							
10	Delta	5,615,784	N			47				1								225				1	1	1	100.00																			
11	Ebonyi	2,864,778	T	2		94				15				3		2		125				12	3	4	33.33			17		5	29.41													
12	Edo	4,200,832	L	3		197										4		76				352	23	9	2.56																			
13	Ekiti	3,235,426	T	2		242				4						17		505				10	1																					
14	Enugu	4,377,536	T	7		208				9				2		5		189																										
15	FCT	3,419,323	T	13		363				32	1	3.13		47	9	19.15		208	1	0.49	2	2	22	2	2	9.09																		
16	Gombe	3,225,382	T	3		377				18						25		322				13	1																					
17	Imo	5,391,760	T	8		225										6		275				1																						
18	Jigawa	5,787,728	L	11		693				6				19		3		1491	40	2.68																								
19	Kaduna	8,152,952	T	5		594				14	3	21.43				6		590				24	4	4	16.67			3																
20	Kano	12,983,043	T	25		1403				10	1	10.00		227	3	1.32		2663	18	0.69		20	1	9	45.00			996		2	0.20													
21	Katsina	7,784,740	T	3		488				10	3	30.00				1		2349	4	0.17		12		1	8.33			116	17	537	15	17	3.17		10									
22	Kebbi	4,394,887	T	9		904				82	17	9	10.98		8	1	12.50		623				6						1															
23	Kogi	4,406,012	T	5		204				1	1	100.00				11		218		1		13	2	2	15.38			10	8	10	8	80.00												
24	Kwara	3,186,545	L	1		81												76																										
25	Lagos	12,350,714	T	8		270		6		25		2		293	11	16	5.46	3		305			8	3	1	12.50																		
26	Nasarawa	2,504,086	T	5		181				32						5		161		1		50	10	13	26.00			285						52										
27	Niger	5,518,612	T	5		131				12						2		383				60		19	31.67			120							44									
28	Ogun	5,158,109	T	1		233										1		173				10	2																					
29	Ondo	4,624,449	T	2		285				1						4		254				87	13	12	13.79																			
30	Osun	4,691,088	T	2		120				4						5		256				1	1	1	100.00																			
31	Oyo	7,811,611	T	8		165				21				20	2	3	15.00	19		657																								
32	Plateau	4,148,116	T	8		366		2		32						4		216				37	8	6	16.22																			
33	Rivers	7,244,154	T	8		318										2		218				17	5	5	29.41																			
34	Sokoto	4,988,458	T	11		418				179	15	5	2.79			12		3323		11	0.33		1																					
35	Taraba	3,035,153	T	3		314				35								144				46		5	10.87			4		1	25.00			22		3	13.64							
36	Yobe	3,274,833	T	4		322		4		79						2		3331		19	0.57		2		1	50.00																		
37	Zamfara	4,466,775	T	9		225				17	2	2	11.76					575		2	0.35																							
Total				191,843,148	317-84%	215		13		773	39	31	4.01	2	714	14	32	4.48	194	22809	2	100	0.42	5	1	3	864	88	105	12.15		126	25	1981	15	33	1.67		128	3	2.34			

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

Source: Epid Division, Public Health Dept, FMOH

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