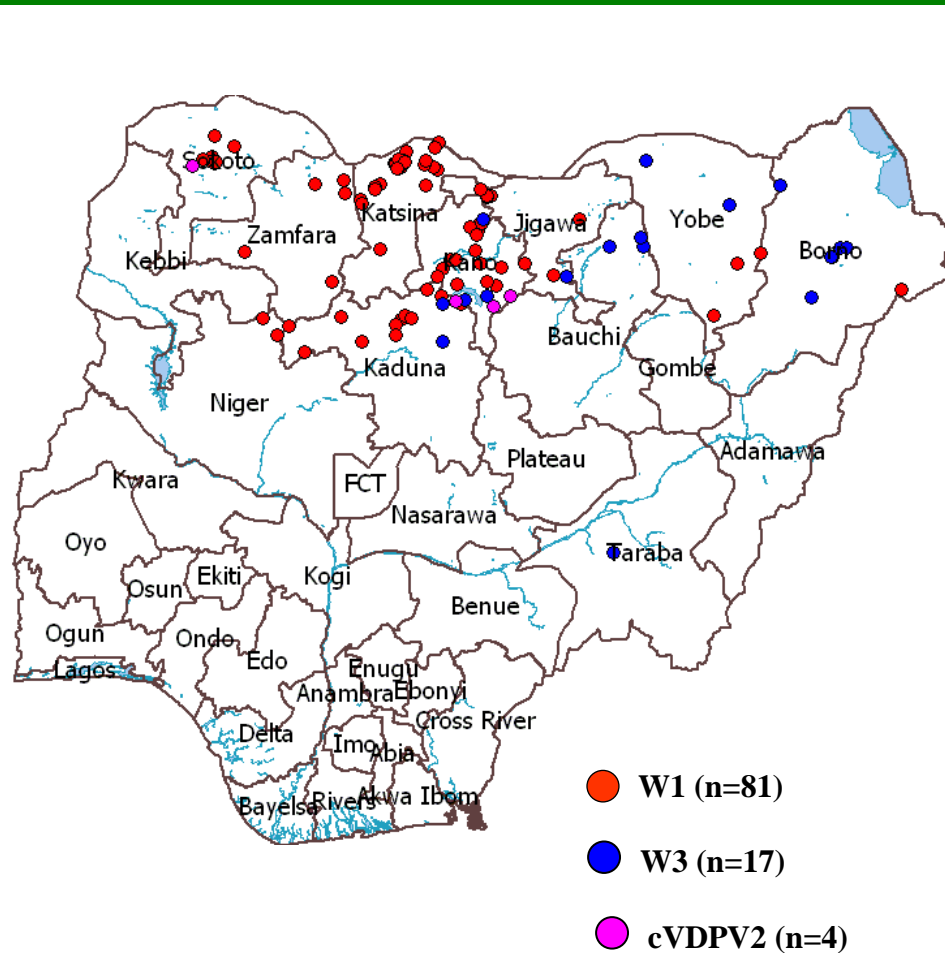


Weekly Polio Update

Nigeria

October 19, 2012

Nigeria polio cases as at October 19, 2012

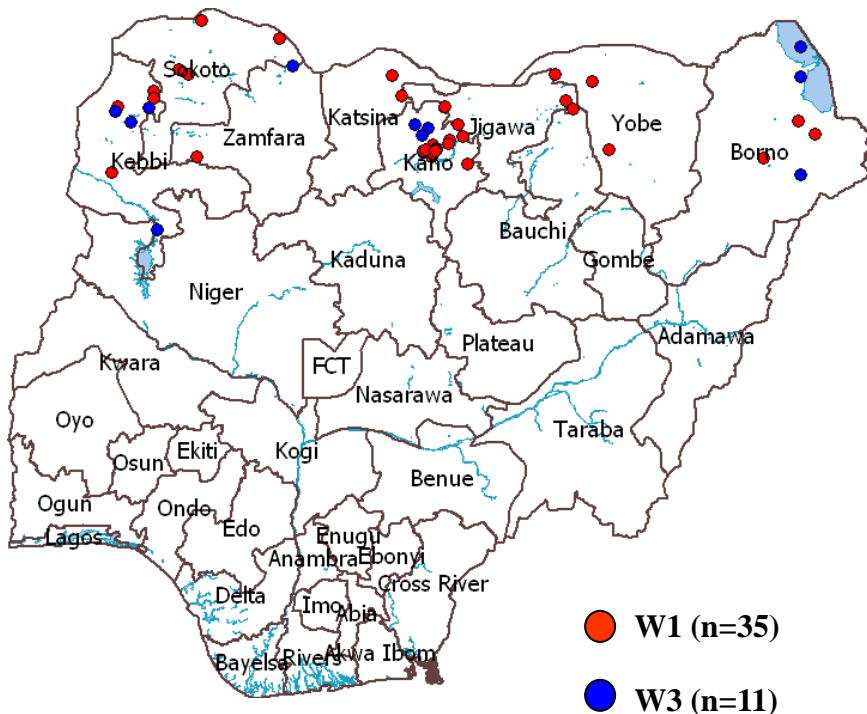


- As at October 19, 2012 Nigeria has 98 cases of wild poliovirus in 11 States compared to 46 cases in 8 States for the same period in 2011
- 5 new WPV cases were reported this week. 1 WPV1 in Wurno LGA Sokoto State, 1 WPV1 in Zaria LGA Kaduna State, 1 Batsari LGA Katsina State and 2 WPV1 in Kibiya and Minjibir LGA Kano State.
- Nigeria contributes 95% to the polio burden in AFRO
- As at October 19, 2012 Nigeria has 4 cVDPV2 cases in 2 States compared to 27 cases in 7 States for the same period in 2011.

* There is one case of aVDPV2 from Edo State

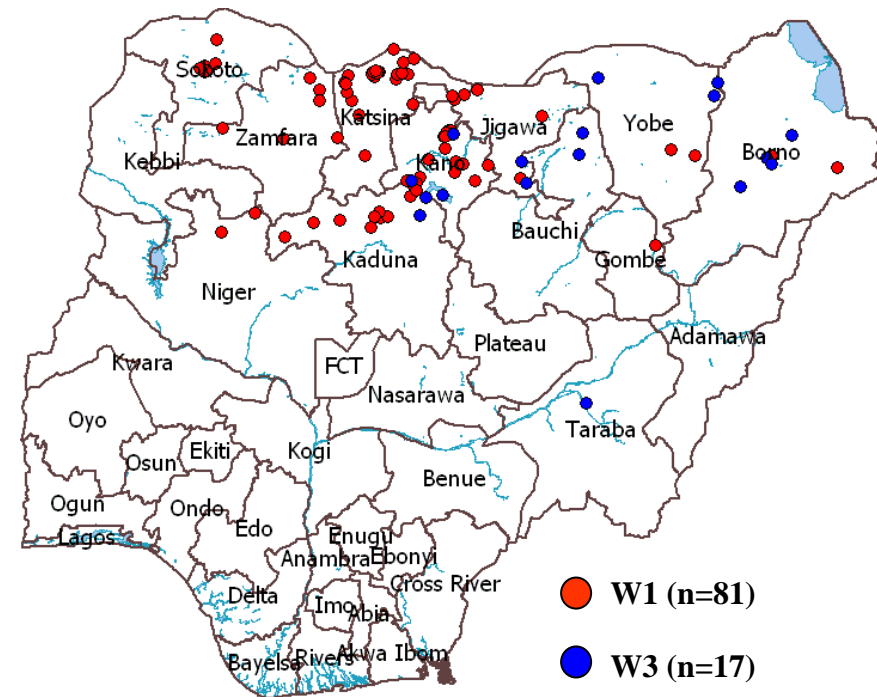
Wild poliovirus distribution as at Week 42, 2011 and Week 42, 2012 (data as at October 19, 2012)

Week 42, 2011



Infected States: 8

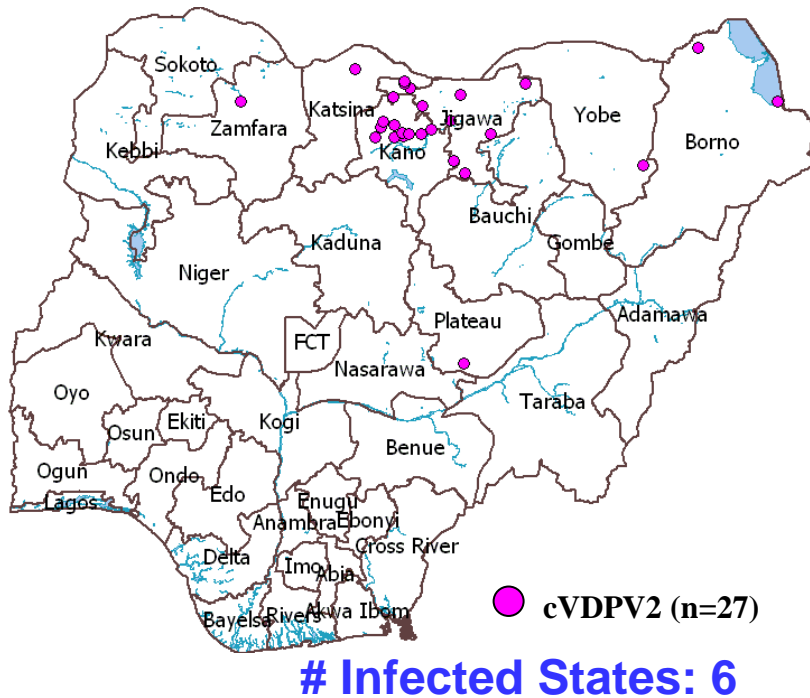
Week 42, 2012



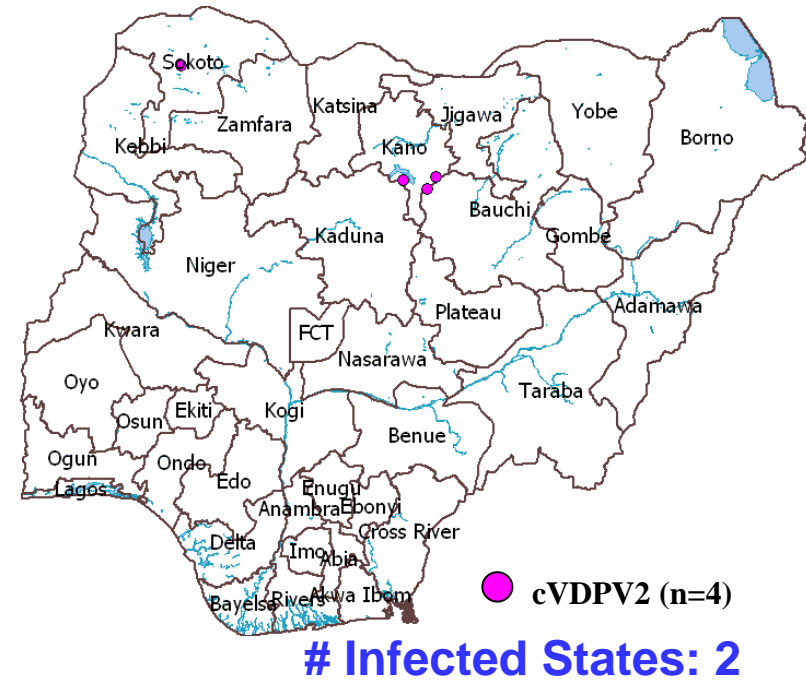
Infected States: 11

cVDPV2 distribution as at Week 42, 2011 and Week 42, 2012 (data as at October 19, 2012)

Week 42, 2011



Week 42, 2012



* There is one case of aVDPV2 from Edo State

In 2012, 33 cVDPV2 were detected in environmental samples (3 in Kano and 30 in Sokoto)

2011 - 2012 WPV & cVDPV2 cases by Zone and State (data for 2012 is as at week 42)

Summary of WPV by Zones and States, onset 2011 - 2012

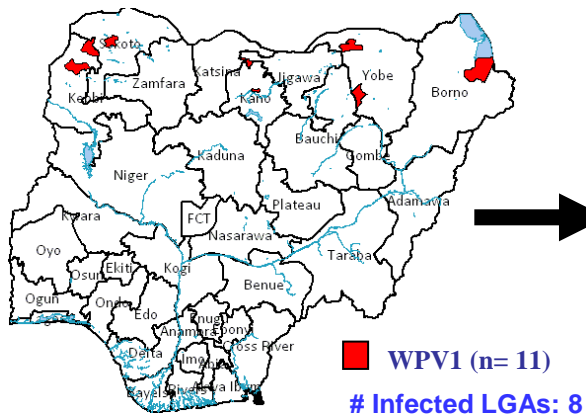
S/No	Zone	State	Week 42, 2012				2012				Jan - Dec, 2011			
			New Results Received this week				WPV1	WPV3	cVDPV 2	Cum Total	WPV1	WPV3	cVDPV2	Cum Total
			WPV1	WPV3	cVDPV2	Total								
1	NC	Niger	-	-	-	-	2	0	0	2	0	0	1	1
2		Plateau	-	-	-	-	0	0	0	0	0	0	1	1
3	NW	Jigawa	-	-	-	-	6	1	0	7	10	0	13	23
4		Kaduna	1	-	-	1	11	2	0	13	0	0	0	0
5		Kano	2	-	-	2	18	3	3	24	14	3	10	27
6		Katsina	1	-	-	1	25	0	0	25	2	0	2	4
7		Kebbi	-	-	-	-	0	0	0	0	4	4	0	8
8		Sokoto	1	-	-	1	8	0	1	9	6	1	1	8
9		Zamfara	-	-	-	-	6	0	0	6	4	1	2	7
10	NE	Bauchi	-	-	-	-	0	3	0	3	0	0	1	1
11		Borno	-	-	-	-	2	5	0	7	4	5	3	12
12		Taraba	-	-	-	-	0	1	0	1	0	0	0	0
13		Yobe	-	-	-	-	3	2	0	5	3	1	1	5
TOTAL			5	-	-	5	81	17	4	102	47	15	35	97

Latest onset of confirmed WPV was 22-September-2012 from Katsina LGA, Katsina State. 7 of the WPV were confirmed from contacts . * There is one case of aVDPV2 from Edo State

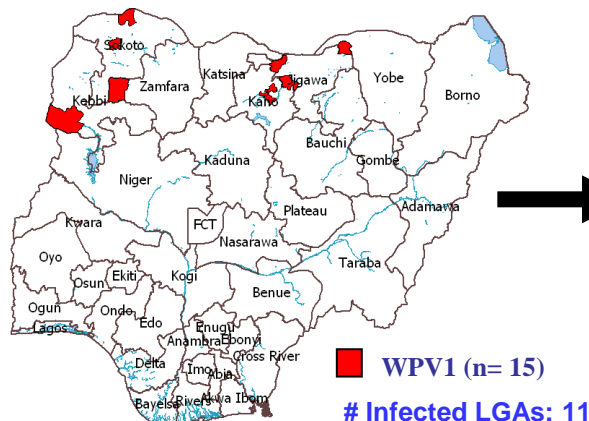
WPV 1 Epidemiology

Distribution of WPV1-infected LGAs by quarter, 2011 - 2012

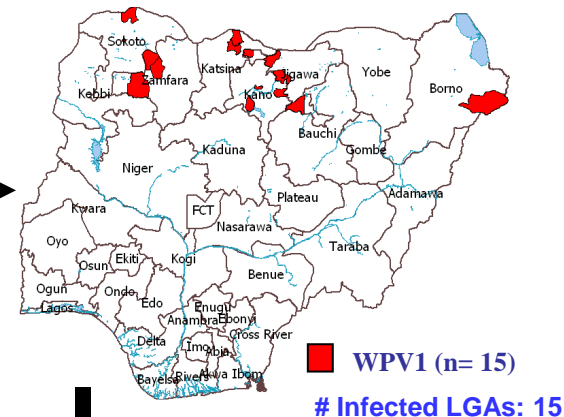
Qter_2'11



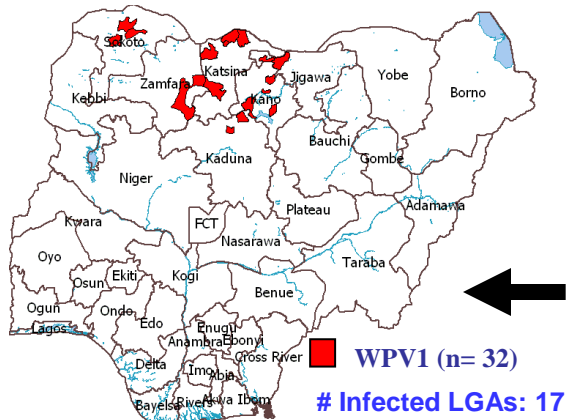
Qter_3'11



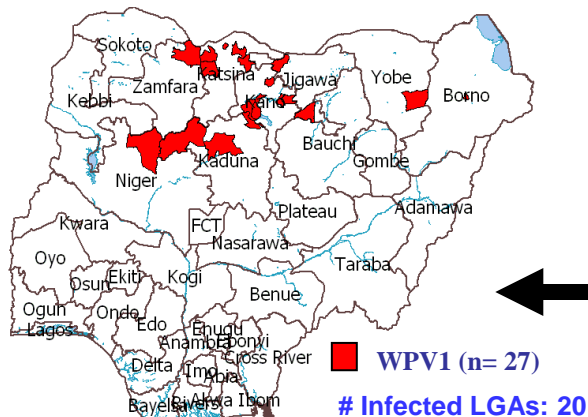
Qter_4'11



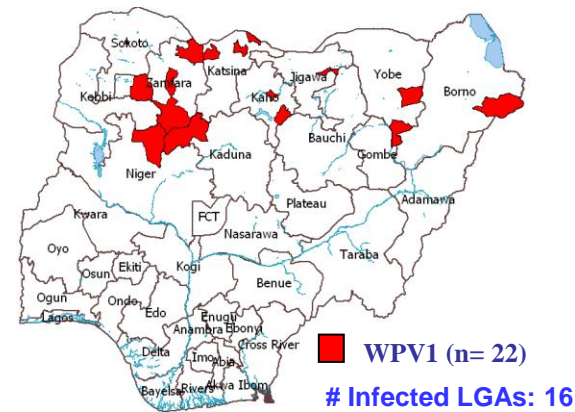
Qter_3'12*



Qter_2'12*



Qter_1'12

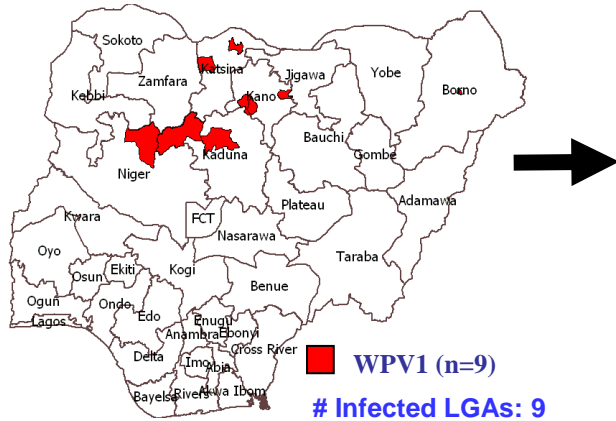


•Cases pending lab confirmation: 3 (July 2012), 5 (August 2012), 95 (September 2012) and 154 (October 2012)

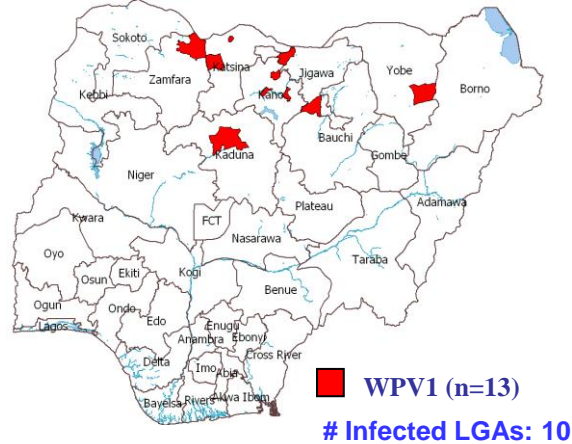
•Latest Onset WPV1 was 22/09/2012

Distribution of WPV1-infected LGAs by month May 2012 – Oct 2012

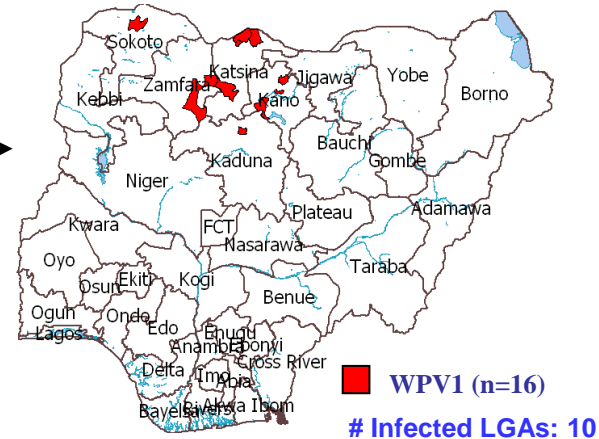
May'12



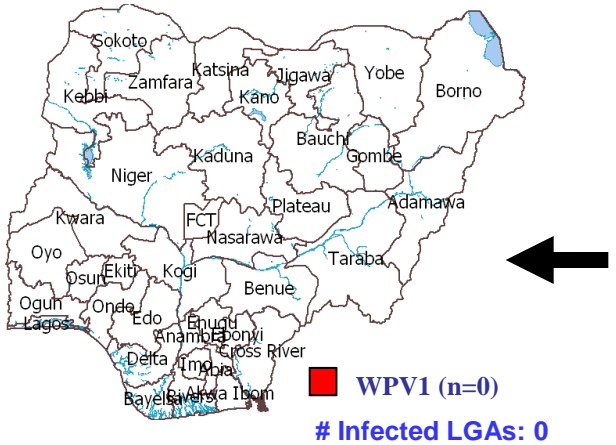
Jun'12



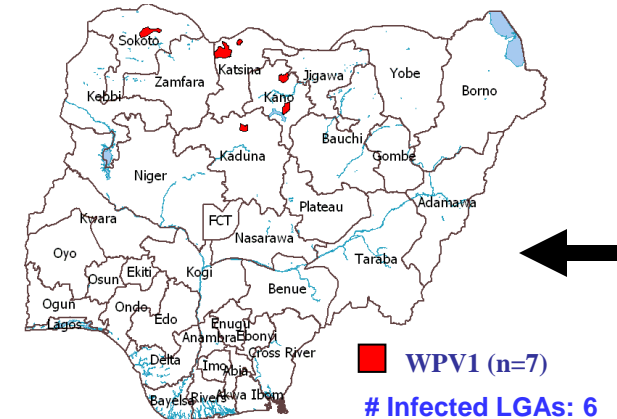
Jul'12*



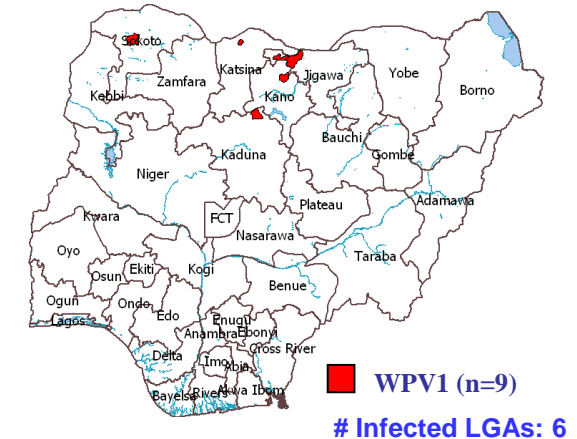
Oct'12*



Sep'12*



Aug'12*

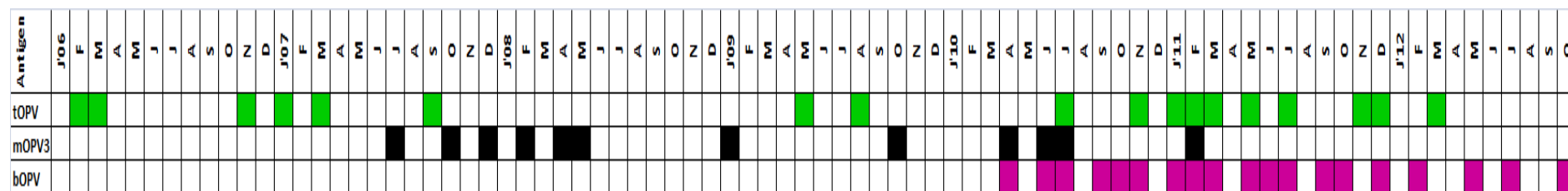
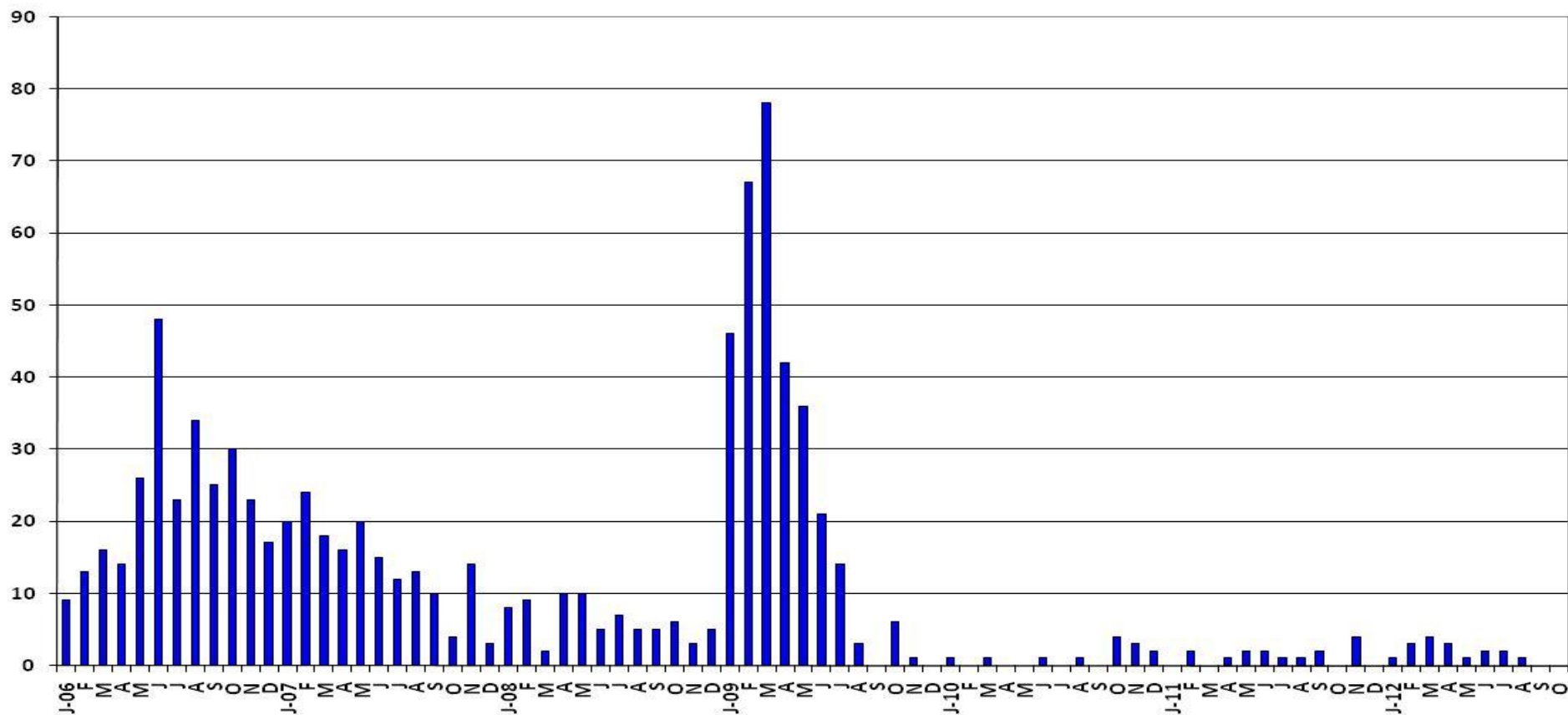


•Cases pending lab confirmation: 3 (July 2012), 5 (August 2012), 95 (September 2012) and 154 (October 2012)

•Latest Onset WPV1 was 22/09/2012 •There were 4 WPV1 in January 2012, 9 WPV1 in February 2012, 9 WPV1 in March 2012 and 5 WPV1 in April 2012

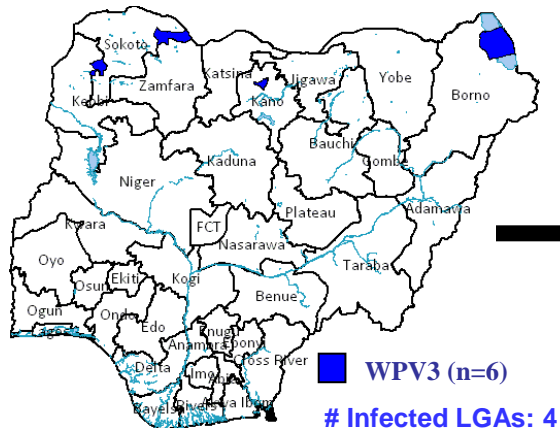
WPV 3 Epidemiology

WPV 3 monthly onset, with targeted SIAs, 2006 – 2012

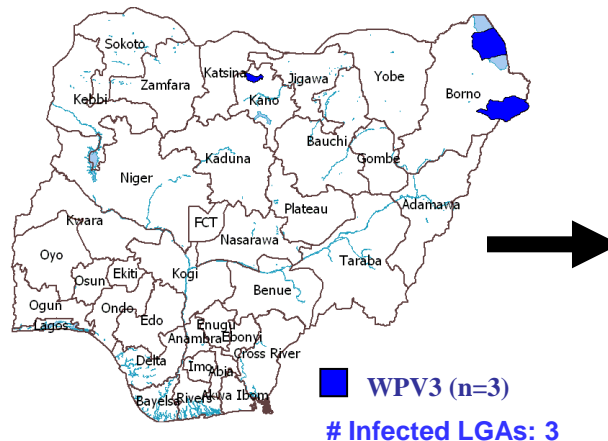


Distribution of WPV3-infected LGAs by quarter, 2011 - 2012

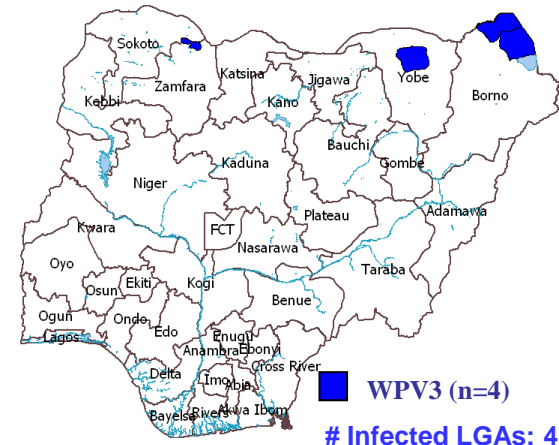
Qter_2'11



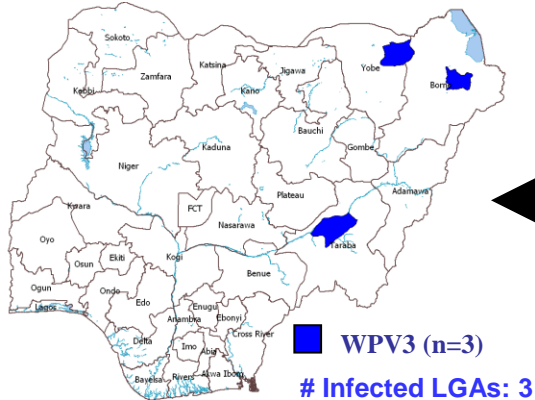
Qter_3'11



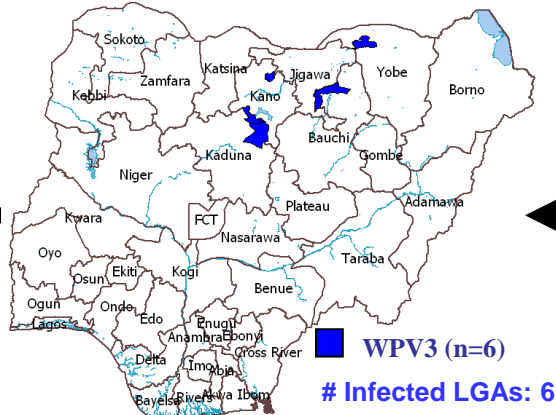
Qter_4'11



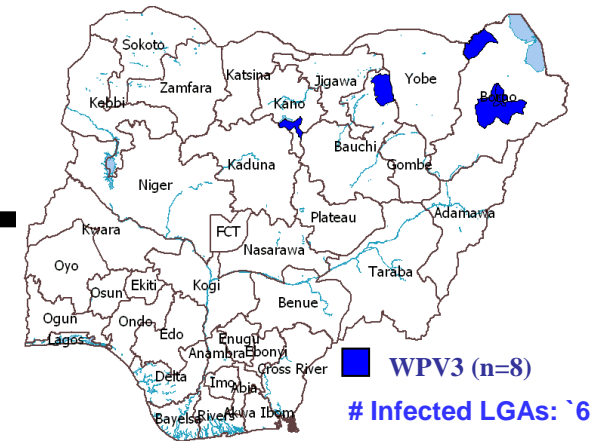
Qter_3'12*



Qter_2'12*



Qter_1'12

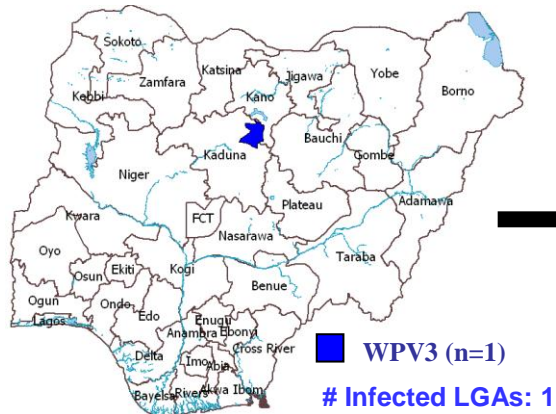


* Cases pending lab confirmation: 3 (July 2012) , 5 (August 2012) , 95 (September 2012) and 154 (October 2012)

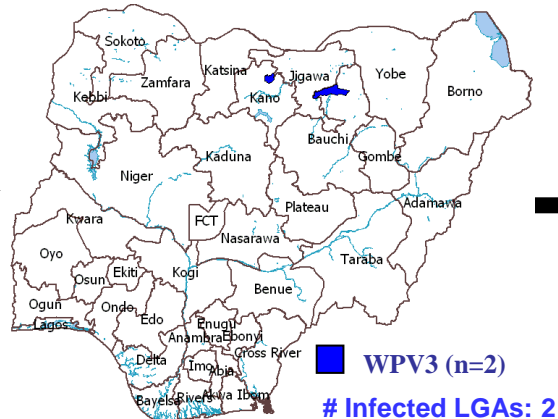
- Latest Onset WPV3 was 10/08/2012

Distribution of WPV3-infected LGAs by month May 2012 – Oct 2012

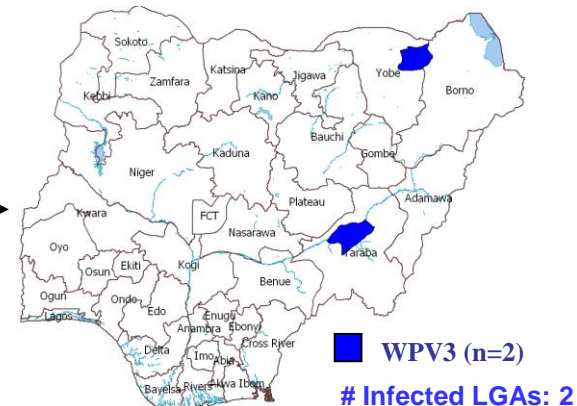
May'12



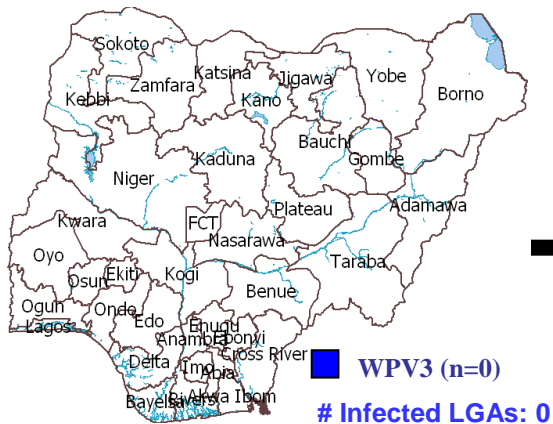
Jun'12



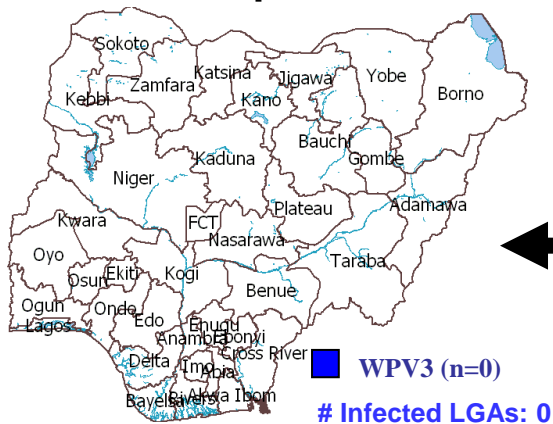
Jul'12*



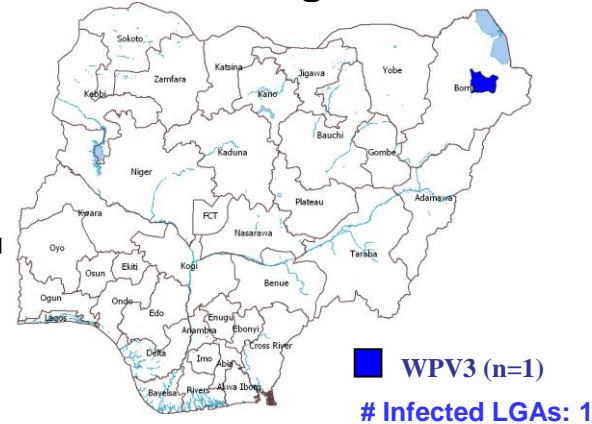
Oct'12*



Sep'12*



Aug'12*

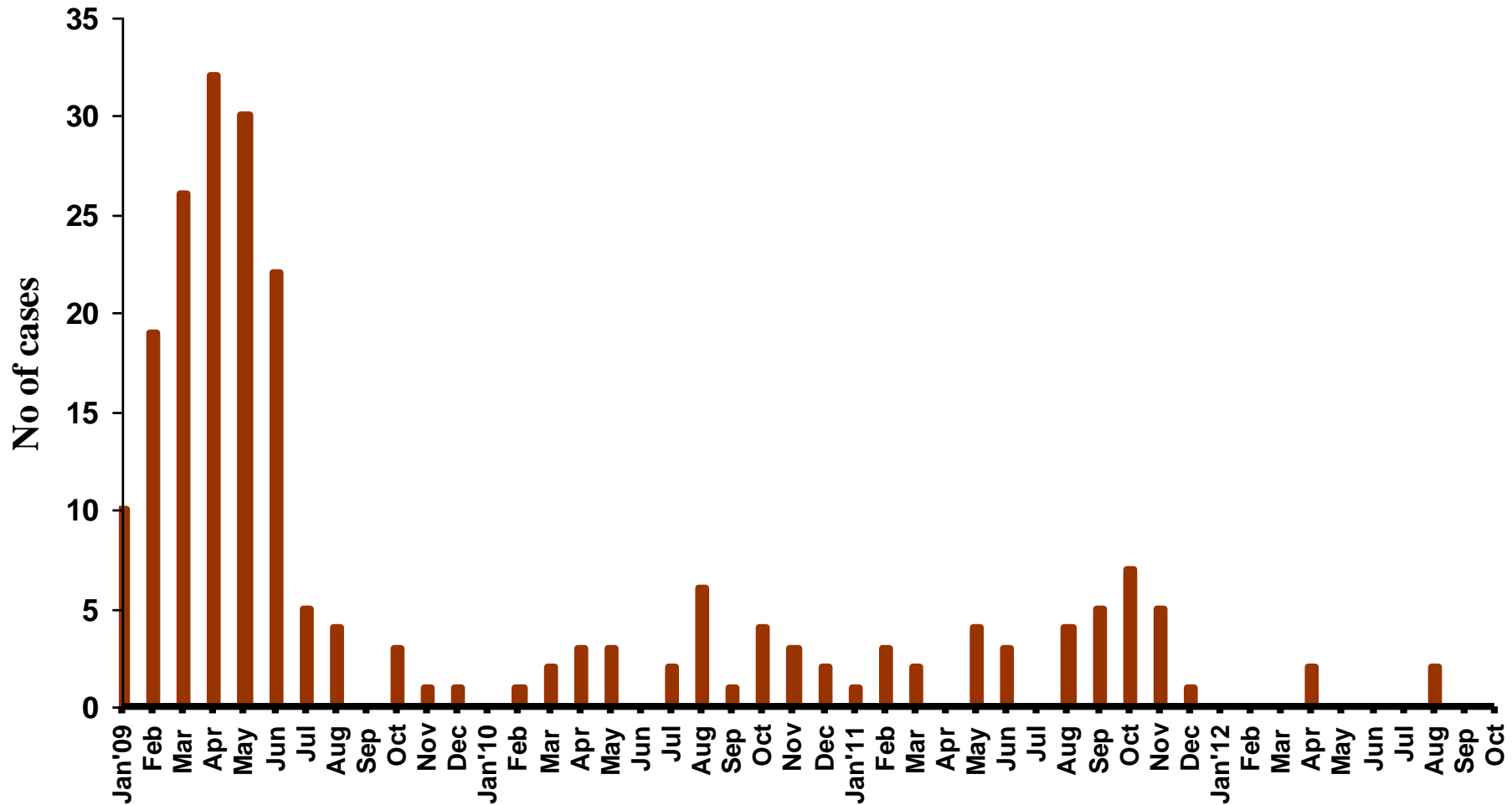


* Cases pending lab confirmation: 3 (July 2012) , 5 (August 2012) , 95 (September 2012) and 154 (October 2012)

- Latest Onset WPV3 was 10/08/2012 - There was 1 WPV3 in January 2012, 3 WPV3 in February 2012, 4 WPV3 in March 2012 and 3 WPV3 in April 2012

cVDPV2

cVDPV2 cases by month 2009 – 2012



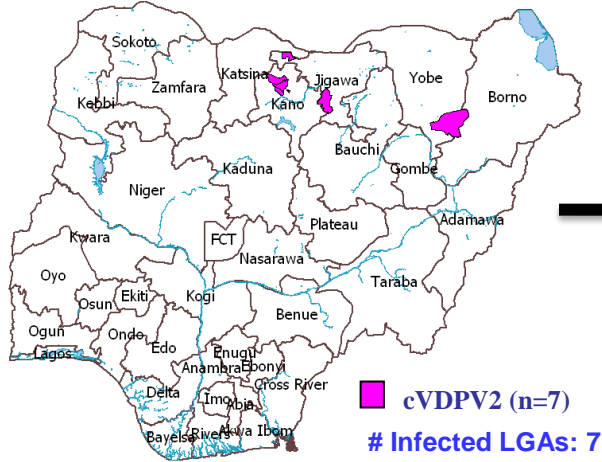
Antigen	Jan'09	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan'10	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan'11	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan'12	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct			
tDPV																																																	

There is one case of aVDPV2 from Edo State

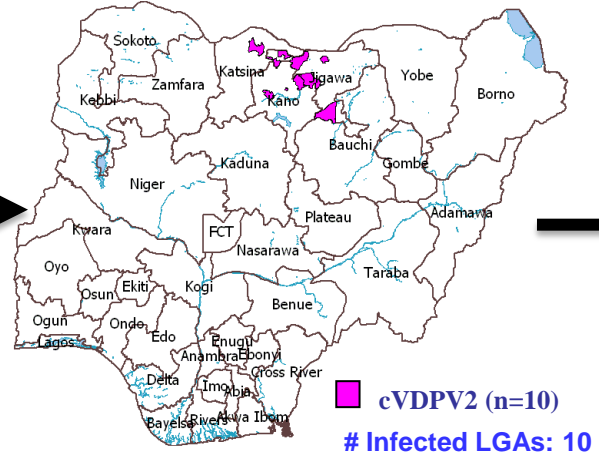
In 2012, 33 cVDPV2 were detected in environmental samples (3 in Kano and 30 in Sokoto)

Distribution of cVDPV2 by LGAs/quarter, 2011 - 2012

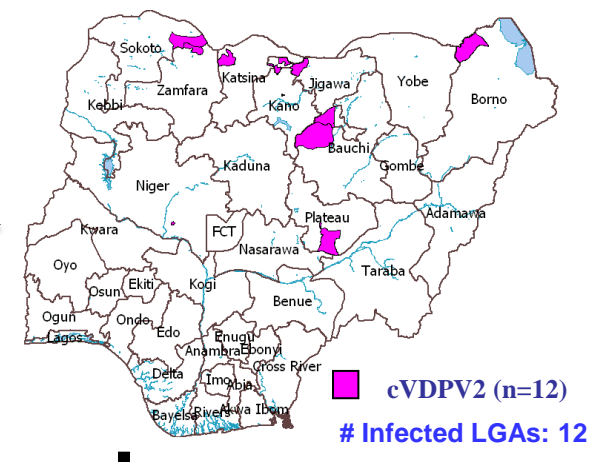
Qter_2, 2011



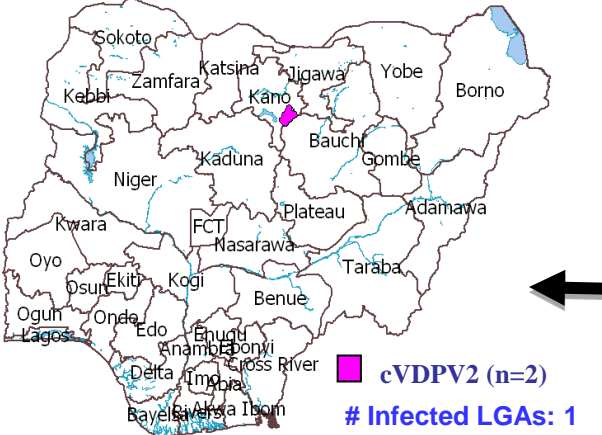
Qter_3, 2011



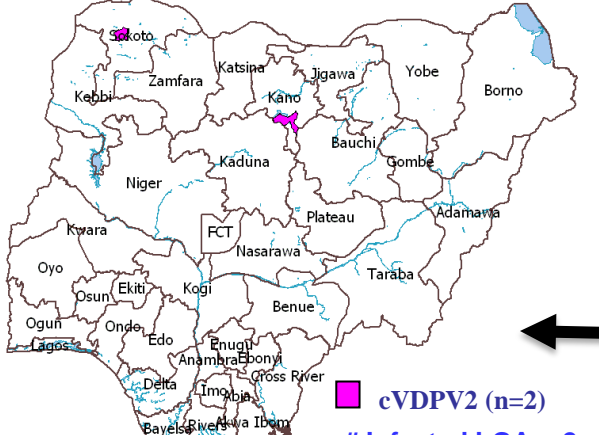
Qter_4, 2011



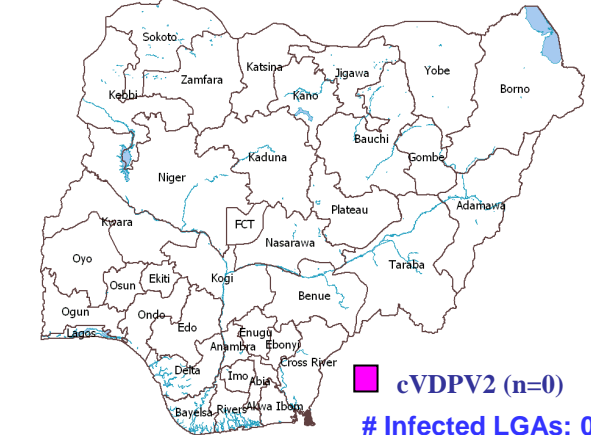
Qter_3, 2012



Qter_2, 2012



Qter_1, 2012



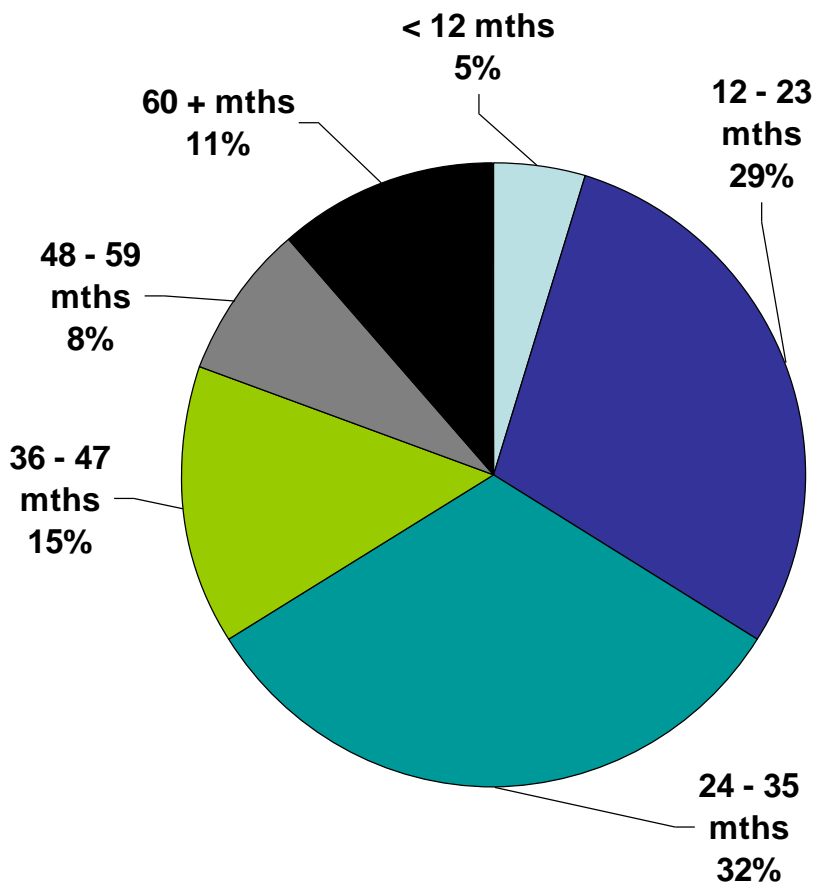
In 2012, 33 cVDPV2 were detected in environmental samples (3 in Kano and 30 in Sokoto)

Latest Onset for cVDPV2 was 01/08/2012. There is one case of aVDPV2 from Edo State

Age and OPV doses of WPV cases

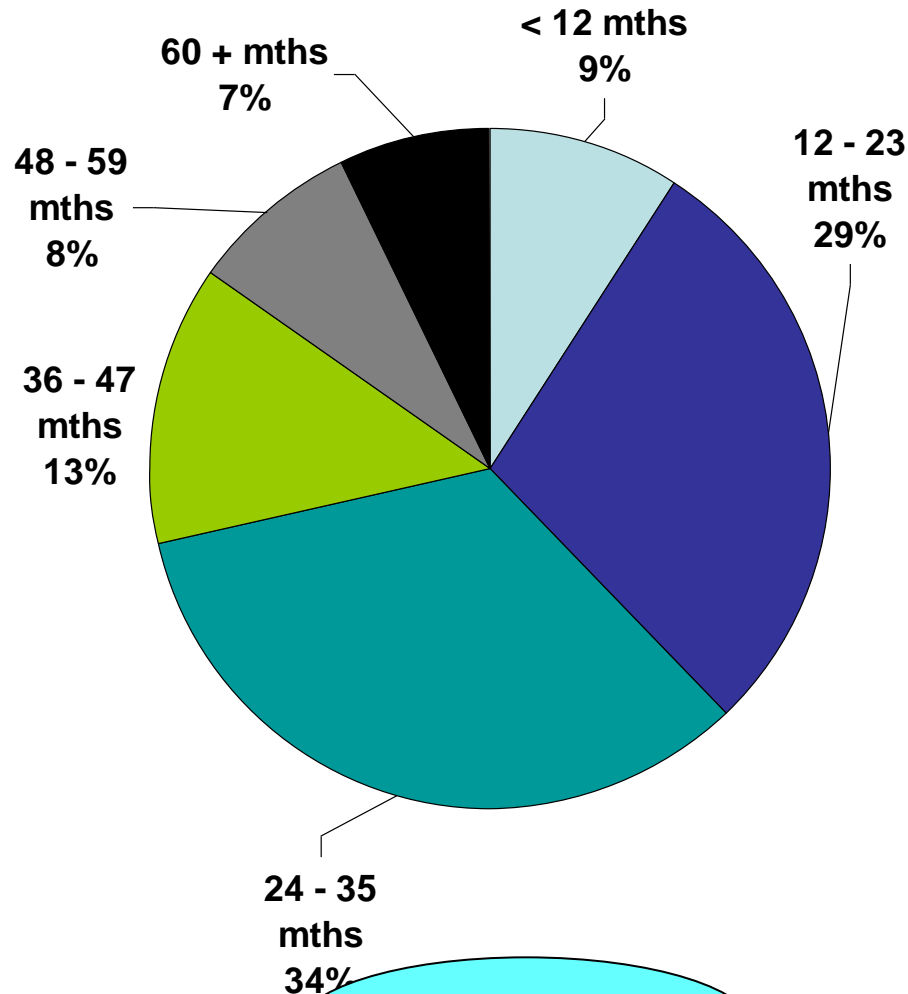
Age group of WPV cases Jan – Dec, 2011 and 2012 as at week 42

Age 2011 (n=62)



66% < 3 yrs

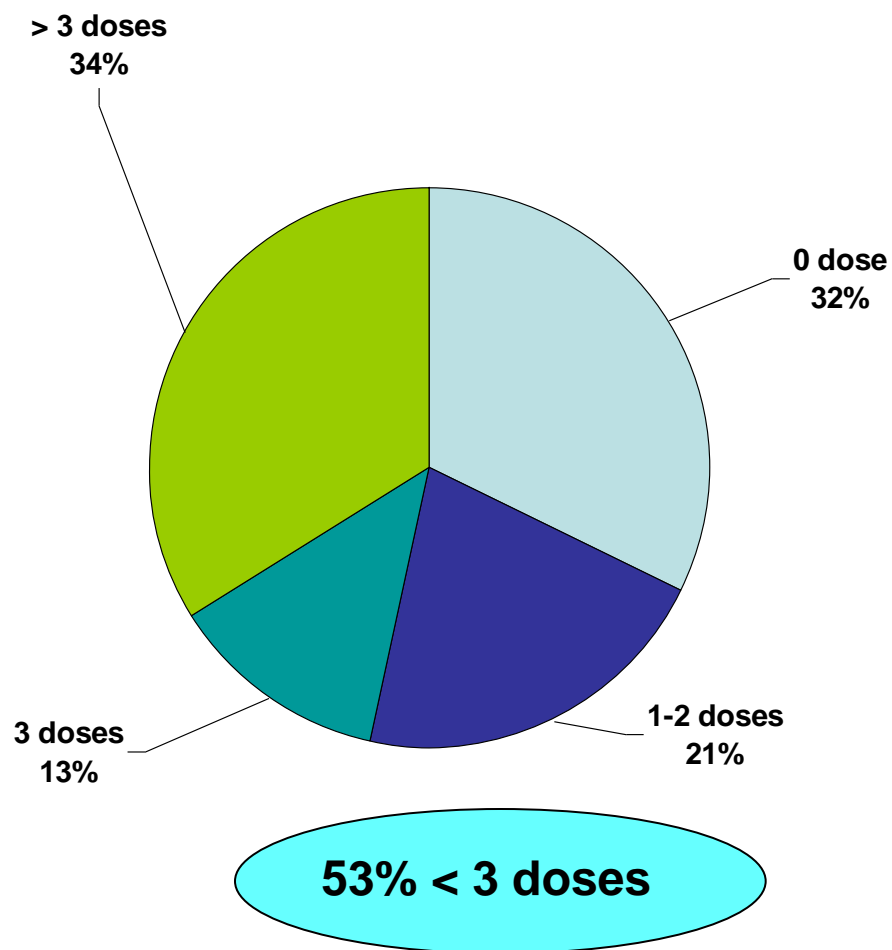
Age 2012 (n=98)



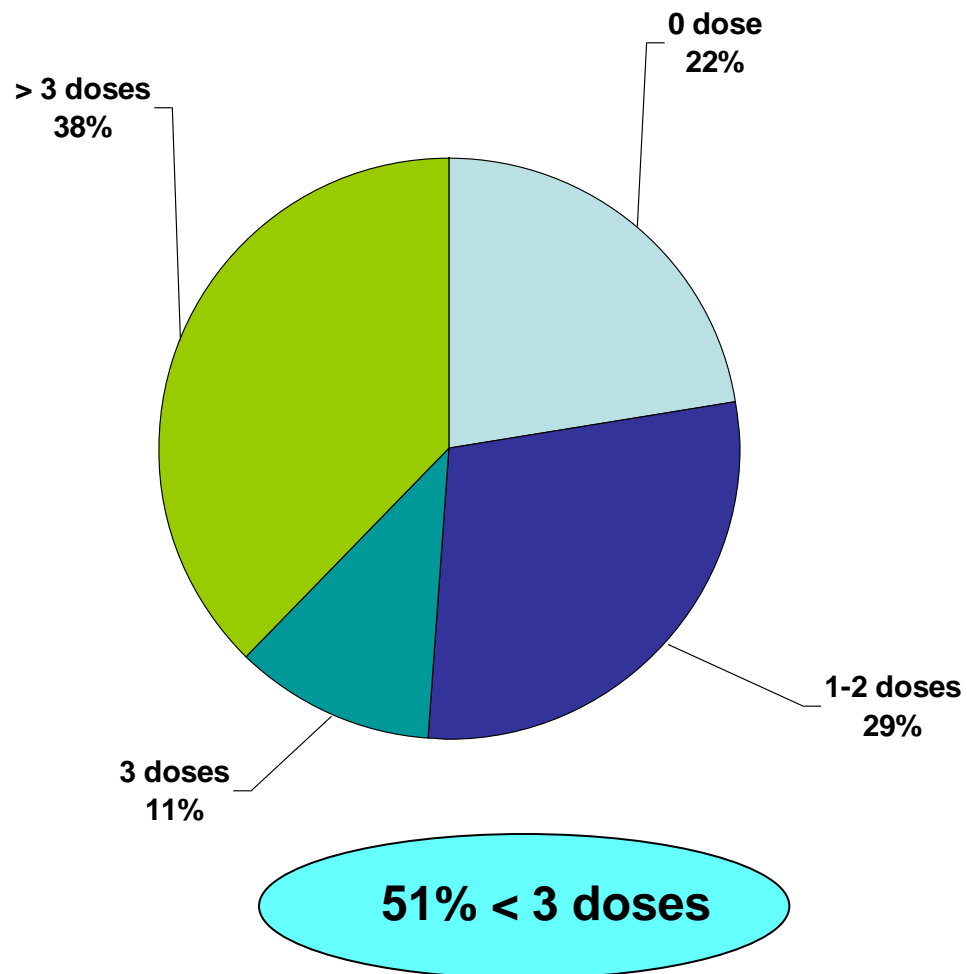
72% < 3 yrs

OPV status of WPV cases Jan – Dec, 2011 and 2012 as at week 42

OPV status 2011 (n=62)



OPV status 2012 (n=98)



Summary Tables

2012 WPV cases, Pending PI and ITD as at week 42 (October 19, 2012)

States	January - March 2012			April - June 2012			July 2012			August 2012			September 2012			October 2012		
	Pending PI	Pending ITD	WPV Cases	Pending PI	Pending ITD	WPV Cases	Pending PI	Pending ITD	WPV Cases	Pending PI	Pending ITD	WPV Cases	Pending PI	Pending ITD	WPV Cases	Pending PI	Pending ITD	WPV Cases
Abia																		3
Adamawa										1			1				1	1
Akwa Ibom													1					4
Anambra											1		2					3
Bauchi			2			1							3					5
Bayelsa													1					2
Benue													2					2
Borno			5			1						1	1					4
Cross River													2					1
Delta													1					5
Ebonyi													1					3
Edo																		4
Ekiti																		1
Enugu													1					3
FCT										1			3	1				7
Gombe													1					6
Imo													1					1
Jigawa			1			3						3	1	1				5
Kaduna			2			7			1	1		1	4		2			3
Kano			4			8			5			2	10	1	2			15
Katsina			4			9		1	8			2	5	4	2			10
Kebbi										1			7	1				8
Kogi													2					4
Kwara													1					
Lagos													1					8
Nasarawa							1						3					7
Niger			1			1							4					8
Ogun													1					4
Ondo																		
Osun																		3
Oyo													1					1
Plateau																		
Rivers								1					1					2
Sokoto			5			1						1	13	1	1			7
Taraba									1				1					5
Yobe			2			2			1				5					3
Zamfara			4			2							4					5
Grand Total	0	0	30	0	0	35	1	2	16	4	1	10	85	10	7	153	1	0

Summary 2012	
WPV Cases	98
Pending PI	243
Pending ITD	14

NB: PI = Primary Isolation; ITD = Intratypic Differentiation

Status of Laboratory results 2010- 2012 (2012 data is as at October 19)

Status of Laboratory Specimens-Nigeria													Date	19/10/2012
Months/Years	AFP Cases	AFP Cases w/ No stool samples	# Primary Results	# Negative Results	Pending PI results	% Late Results*	% NPENT	Pending ITD results	WPV1	WPV3	VDPV2	Sabin	Pending Classification	Week # 42
Total 2010	6000	18	5982	5455	0	4%	14%	0	8	13	27	497	0	
Jan-11	437	2	433	387	0	1%	6%	0	0	0	1	47	0	
Feb-11	520	2	513	440	0	2%	7%	0	2	2	3	68	0	
Mar-11	537	0	536	485	0	9%	8%	0	4	0	2	45	0	
Apr-11	411	2	409	390	0	12%	14%	0	2	1	0	18	0	
May-11	568	0	569	507	0	3%	18%	0	4	3	4	51	0	
Jun-11	657	0	655	606	0	9%	17%	0	5	2	3	39	0	
Jul-11	569	1	571	537	0	33%	17%	0	4	0	1	30	0	
Aug-11	505	0	507	471	0	20%	13%	0	6	1	4	25	0	
Sep-11	498	0	499	463	0	2%	15%	0	5	2	5	24	0	
Oct-11	510	1	505	473	0	1%	13%	0	4	0	6	23	0	
Nov-11	585	0	585	517	0	2%	11%	0	7	4	5	52	0	
Dec-11	311	0	313	286	0	16%	7%	0	4	0	1	22	0	
Total 2011	6108	8	6095	5562	0	9%	12%	0	47	15	35	444	0	
Jan-12	291	0	291	270	0	5%	10%	0	4	1	0	16	8	
Feb-12	679	1	678	555	0	1%	12%	0	9	3	0	112	8	
Mar-12	737	0	737	632	0	7%	13%	0	9	4	0	92	14	
Apr-12	569	2	567	522	0	4%	14%	0	5	3	2	37	16	
May-12	774	0	774	715	0	2%	22%	0	9	1	0	49	29	
Jun-12	670	0	670	635	0	4%	20%	0	13	2	0	20	31	
Jul-12	721	1	719	654	1	26%	16%	2	16	2	0	46	33	
Aug-12	592	0	588	564	4	2%	16%	1	9	1	2	11	40	
Sep-12	637	0	552	508	85	1%	15%	10	7	0	0	27	108	
Oct-12	163	0	10	7	153	0%	0%	1	0	0	0	2	108	
Total 2012	5833	4	5586	5062	243	5%	14%	14	81	17	4	412	395	

Polio High Risk States

State	AFPCases		WPV1		WPV3		% NPENT		Pending PI Results	Date Last Confirmed Case	Months Since Last Case
	2011	2012	2011	2012	2011	2012	2011	2012			
Bauchi	216	197				3	15%	17%	8	27/06/2012	4
Borno	162	150	4	2	5	5	17%	22%	5	10/08/2012	2
Gombe	155	193					16%	24%	7	24/06/2009	40
Jigawa	216	144	10	6		1	18%	26%	6	29/08/2012	2
Kaduna	180	147		11		2	15%	12%	8	22/09/2012	1
Kano	467	394	14	18	3	3	17%	23%	25	14/09/2012	1
Katsina	191	241	2	25			18%	21%	15	19/09/2012	1
Kebbi	221	312	4		4		12%	19%	16	20/07/2011	15
Niger	260	188		2			12%	12%	12	28/05/2012	5
Sokoto	203	232	6	8	1		12%	15%	20	10/09/2012	1
Taraba	172	203				1	20%	21%	6	05/07/2012	4
Yobe	144	113	3	3	1	2	15%	21%	8	13/07/2012	3
Zamfara	201	141	4	6	1		15%	21%	9	01/07/2012	4
Total	2788	2655	47	81	15	17	14%	20%	145		

Notes: *=Late results are those reported by the laboratory after 14 days. OPV Status of non-polio AFP Cases < 60 months is based on data collected by interviewing parents/guardians of AFP Cases.

OPV status of non-polio AFP cases 6 – 59 m, 2010 – 2012

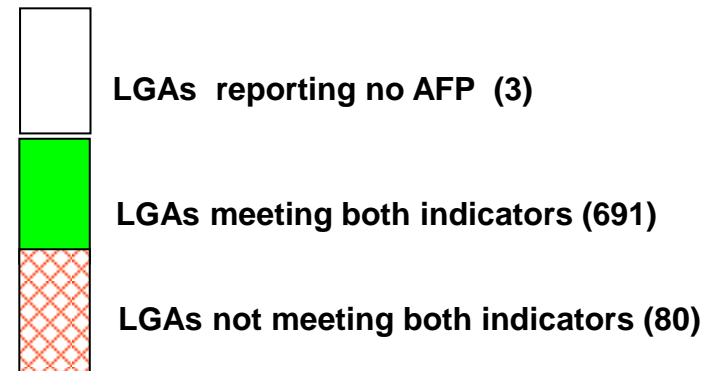
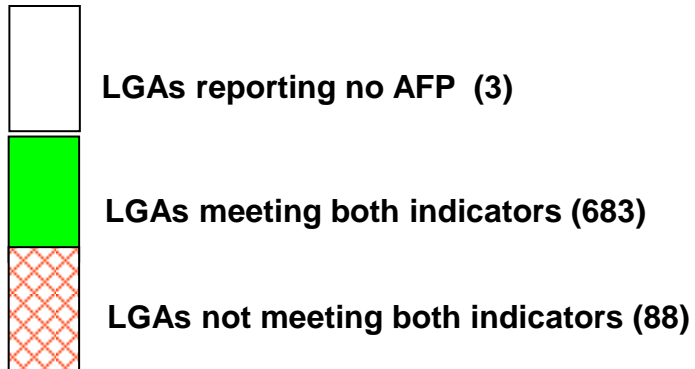
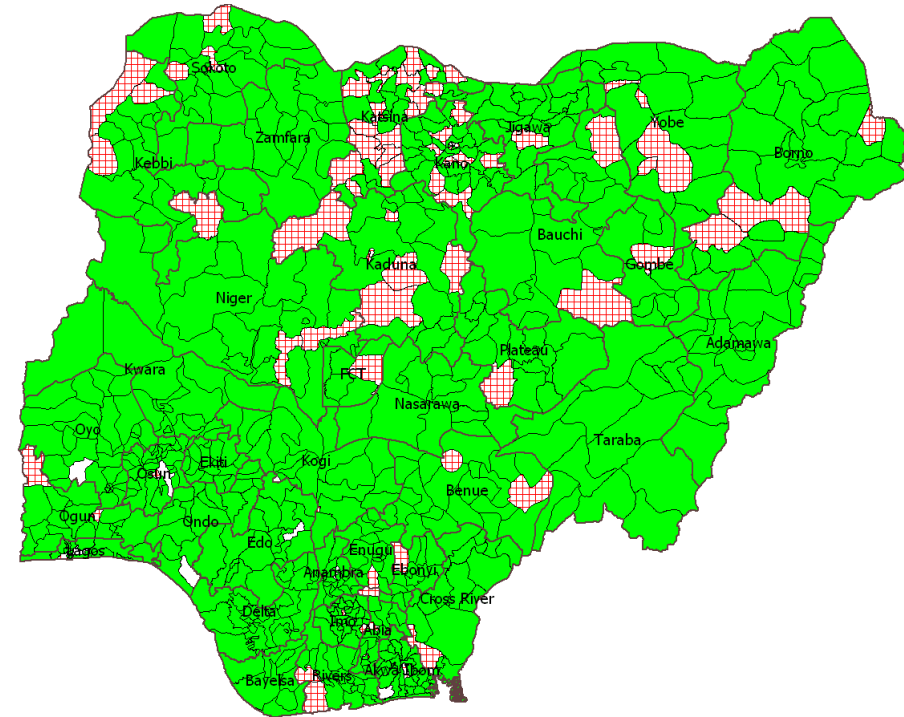
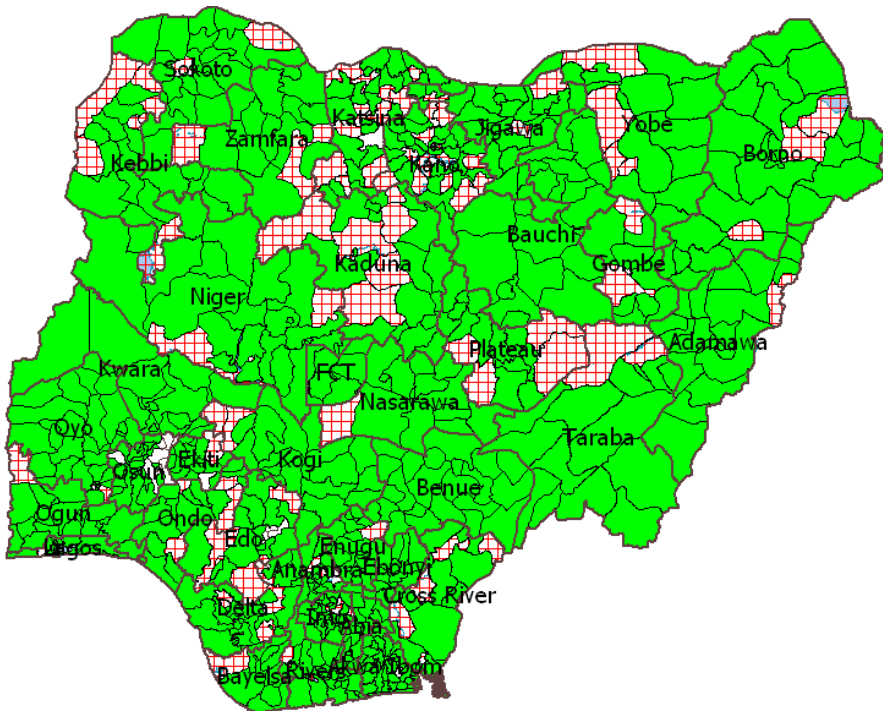
(Data for 2012 is as at October 19)

State	OPV Status of non-polio AFP Cases 6 to 59 months of age, for which data is available.											
	% 0 Doses			% 1-2 Doses			% 3 Doses			% > 3 Doses		
	2010	2011	2012	2010	2011	2012	2010	2011	2012	2010	2011	2012
Abia	5%	3%	2%	12%	17%	19%	25%	29%	27%	59%	51%	53%
Adamawa	0%	2%	0%	4%	3%	7%	10%	3%	7%	86%	92%	86%
Akwa Ibom	2%	2%	5%	15%	12%	12%	28%	21%	13%	55%	65%	70%
Anambra	2%	4%	0%	12%	12%	14%	31%	28%	28%	54%	57%	58%
Bauchi	0%	0%	3%	11%	4%	6%	16%	8%	10%	72%	88%	81%
Bayelsa	0%	0%	0%	1%	3%	1%	6%	5%	8%	93%	92%	91%
Benue	3%	1%	1%	4%	4%	9%	11%	10%	12%	82%	84%	78%
Borno	6%	11%	0%	18%	13%	8%	9%	14%	13%	68%	62%	80%
Cross River	0%	0%	0%	4%	10%	15%	23%	17%	18%	73%	73%	67%
Delta	0%	4%	1%	5%	5%	4%	17%	14%	9%	78%	77%	86%
Ebonyi	3%	1%	0%	18%	2%	13%	35%	5%	6%	45%	93%	82%
Edo	0%	1%	0%	0%	2%	2%	12%	6%	7%	88%	91%	91%
Ekiti	0%	0%	0%	7%	10%	0%	14%	24%	17%	79%	66%	83%
Enugu	2%	1%	0%	13%	4%	8%	22%	19%	11%	63%	76%	82%
FCT	0%	3%	5%	0%	1%	8%	7%	10%	8%	93%	86%	81%
Gombe	1%	0%	2%	3%	4%	1%	9%	2%	2%	87%	95%	94%
Imo	2%	1%	0%	4%	7%	2%	30%	25%	4%	65%	67%	95%
Jigawa	1%	1%	1%	13%	8%	4%	25%	14%	19%	60%	77%	76%
Kaduna	4%	4%	4%	14%	4%	14%	9%	11%	6%	74%	81%	77%
Kano	16%	7%	3%	30%	14%	16%	15%	15%	9%	39%	64%	71%
Katsina	7%	5%	5%	15%	9%	18%	17%	13%	5%	61%	73%	71%
Kebbi	1%	2%	0%	1%	2%	2%	6%	6%	3%	92%	90%	96%
Kogi	0%	0%	0%	2%	4%	4%	8%	7%	4%	90%	90%	93%
Kwara	2%	0%	0%	7%	2%	4%	7%	15%	17%	83%	84%	78%
Lagos	1%	0%	0%	3%	4%	3%	12%	11%	17%	84%	84%	81%
Nasarawa	1%	3%	2%	4%	3%	5%	10%	6%	3%	85%	87%	91%
Niger	0%	0%	1%	4%	3%	4%	3%	4%	3%	93%	94%	92%
Ogun	0%	0%	0%	4%	5%	3%	9%	4%	7%	87%	92%	90%
Ondo	0%	0%	0%	4%	4%	0%	24%	4%	8%	72%	93%	92%
Osun	7%	0%	2%	3%	15%	15%	24%	24%	15%	66%	61%	69%
Oyo	3%	1%	0%	0%	1%	3%	13%	4%	3%	84%	94%	95%
Plateau	1%	3%	0%	2%	5%	0%	2%	7%	3%	94%	86%	97%
Rivers	2%	1%	2%	12%	7%	16%	34%	33%	15%	53%	58%	67%
Sokoto	0%	3%	5%	9%	16%	11%	22%	16%	13%	69%	65%	71%
Taraba	0%	2%	2%	10%	14%	5%	26%	23%	19%	64%	61%	74%
Yobe	12%	0%	0%	19%	14%	11%	20%	23%	16%	50%	63%	73%
Zamfara	0%	2%	5%	22%	11%	19%	30%	14%	17%	47%	74%	59%
Total	2%	2%	1%	8%	7%	8%	17%	13%	11%	73%	78%	80%

LGAs meeting two AFP Surveillance core indicators, Jan – Dec 2011/2012 (data for 2012 is as at October 19)

2011

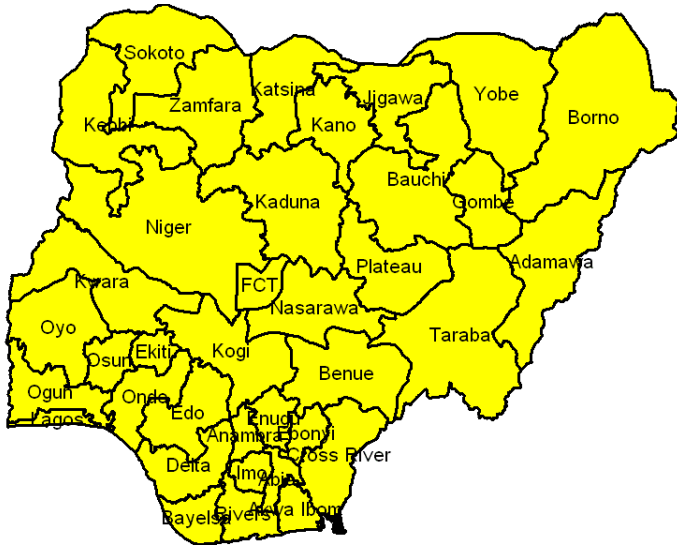
2012



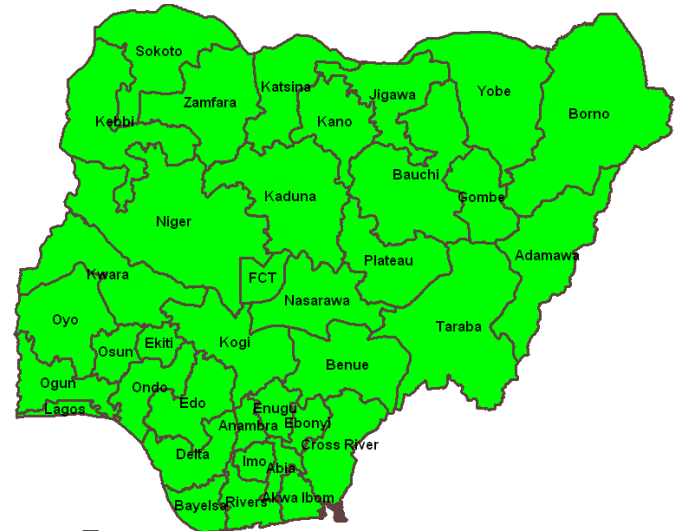
Two AFP surveillance core indicators are NP AFP rate $\geq 2/100,000$ children under age of 15 years and % stool adequacy of $\geq 80\%$

SIAs 2012

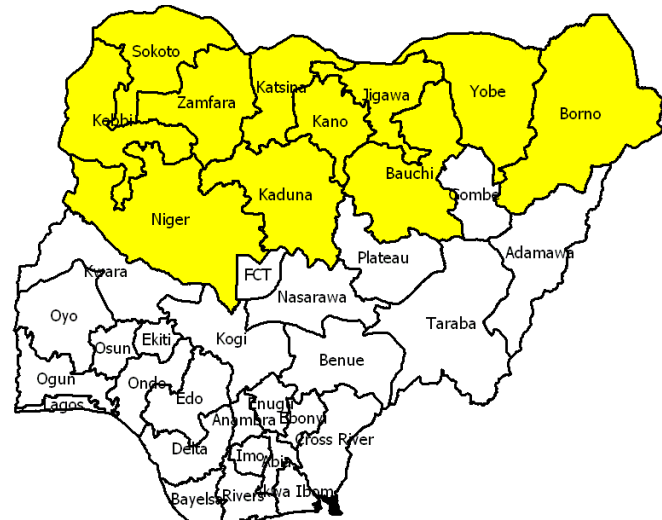
February



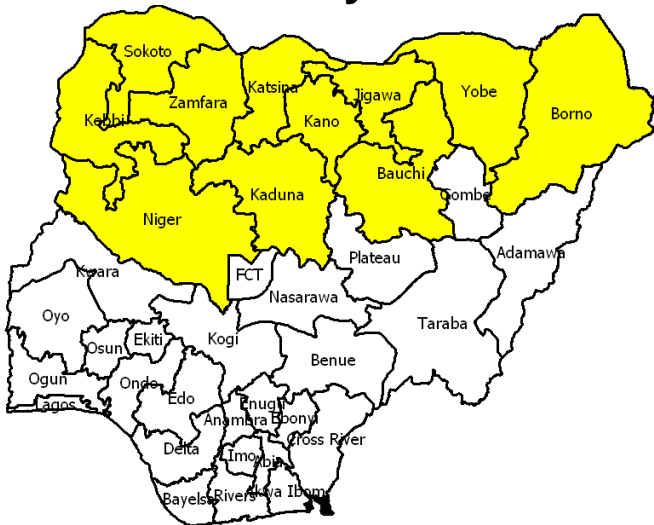
March



May



July



 tOPV
 bOPV