# Overview of PEI in Nigeria



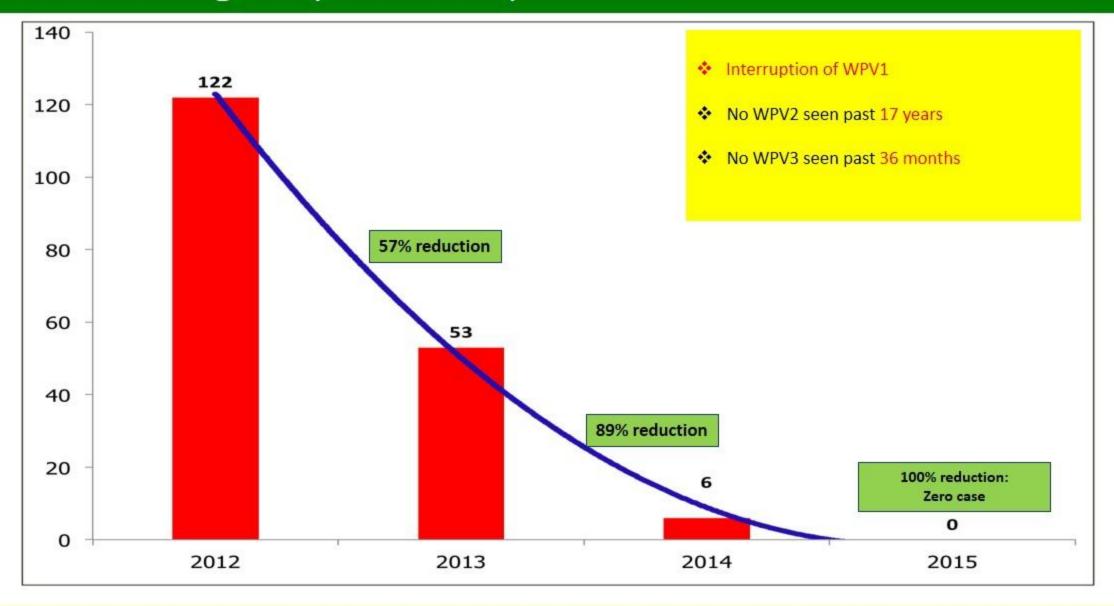


13<sup>th</sup> IMB Meeting 5<sup>th</sup> October 2015 National Polio Emergency Operations Centre

#### **Outline of Presentation**

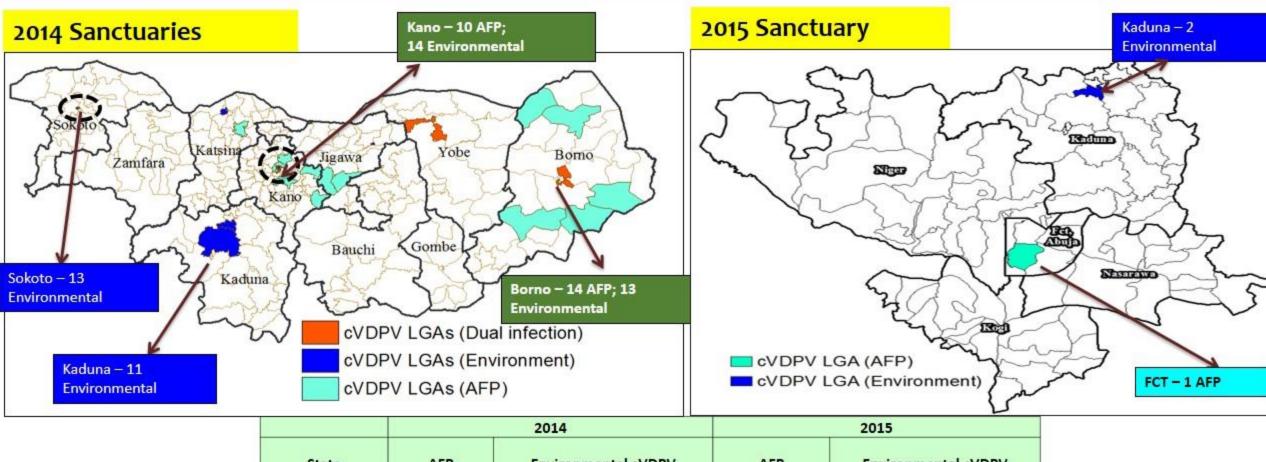
- 1. WPV and cVDPV Epidemiology
- 2. Strategies to stop transmission of cVDPV in Nigeria
- 3. Efforts to reach children in security compromised areas of Borno and Yobe
- 4. Surveillance
- 5. Challenges facing the programme
- 6. Next Steps

# Trend of WPV in Nigeria (2012-2015)



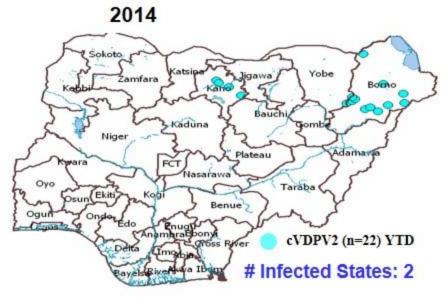
laboratory results out of the 13,645 specimens received in laboratory from July 2014 to July 2015, data as at week 35, 2015 have all been cleared: Nigeria has interrupted the WPV1 for 1 year now

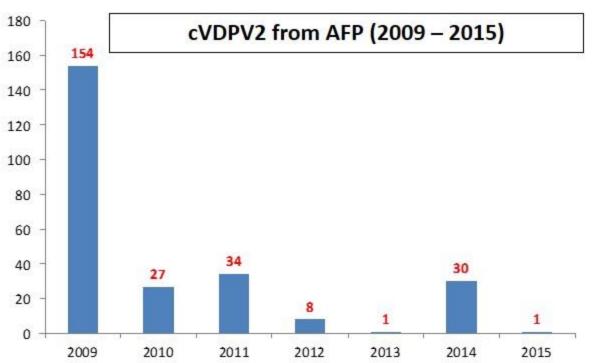
## Population Immunity to cVDPV: AFP & Environmental cases (2014/2015)

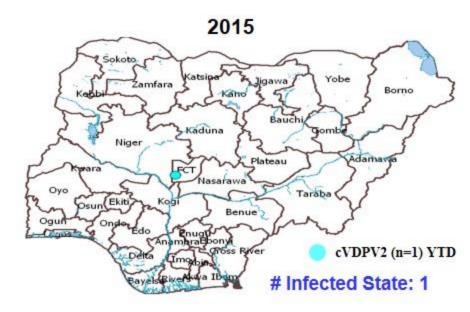


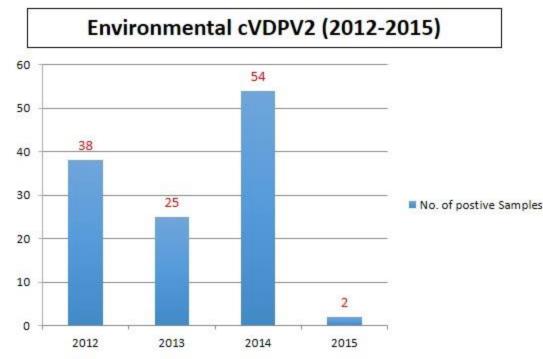
	1	2014	2015				
State	AFP	Environmental cVDPV	AFP	Environmental cVDPV			
Borno	14	13	0	0			
Jigawa	2	1	0	0			
FCT	0	0	1	0			
Kaduna	0	11	0	2			
Kano	10	14	0	0			
Katsina	1	2	0	0			
Sokoto	0	12	0	0			
Yobe	3	1	0	0			
TOTAL	30	54	1	2			

## Nigeria: cVDPV2 distribution, 2014&2015 as at week 37, 2015









# Status of Wild Polio Virus Serotypes in Nigeria

WPV Type	State	LGA	Ward	Date of Onset	Duration	Remarks
WPV1	Kano	Sumaila	Rimi	24/07/14	16 months	Nigeria has achieved interruption. (No pending cases in the Lab from July 2014 - July 2015 have been cleared).
WPV2	Nasarawa	Kokona	Kokona	9/2/98	17 years	Eradicated
WPV3	Yobe	Nangere	Kukuri	10/11/12	36 months	Nigeria has achieved eradication status

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#### Deploying the Polio Structure to support Routine Immunization in 46 polio vulnerable LGAs





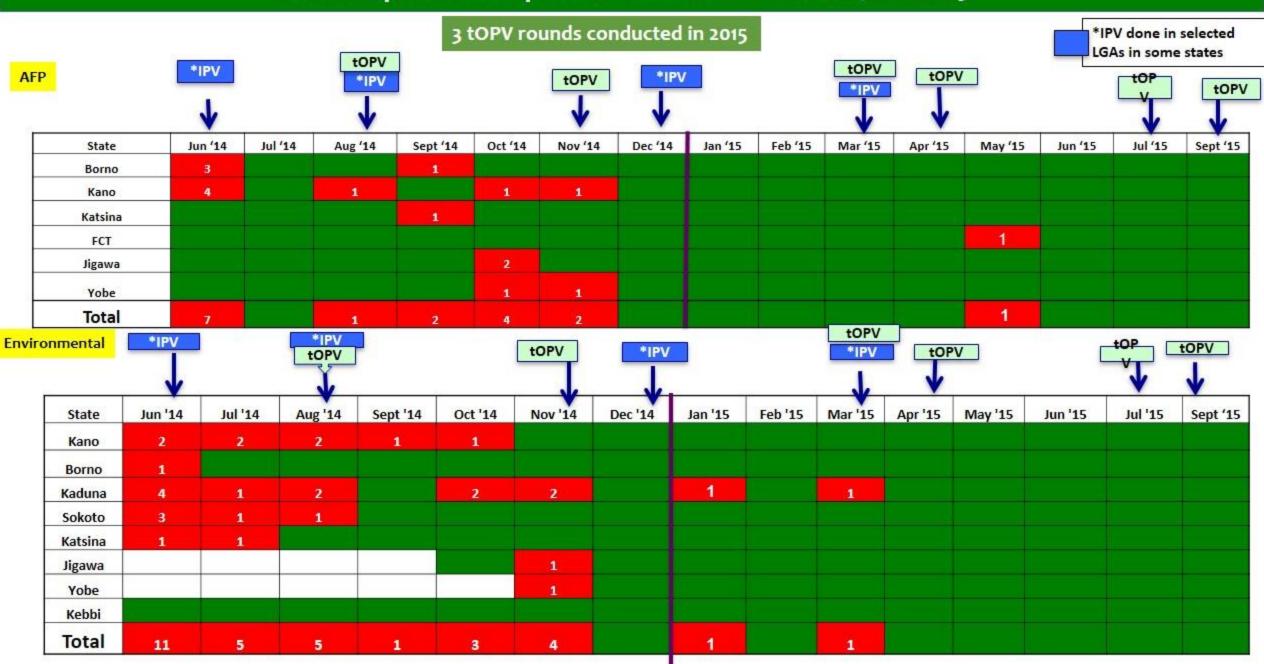
#### Activities

- Polio infrastructure supporting the planning and implementation of Fixed and Outreach RI sessions
- > Polio infrastructure supporting mobilization /defaulter tracking
- > Supportive supervision
- National and state EOCs monitoring implementation of work plans and RI sessions on a weekly basis

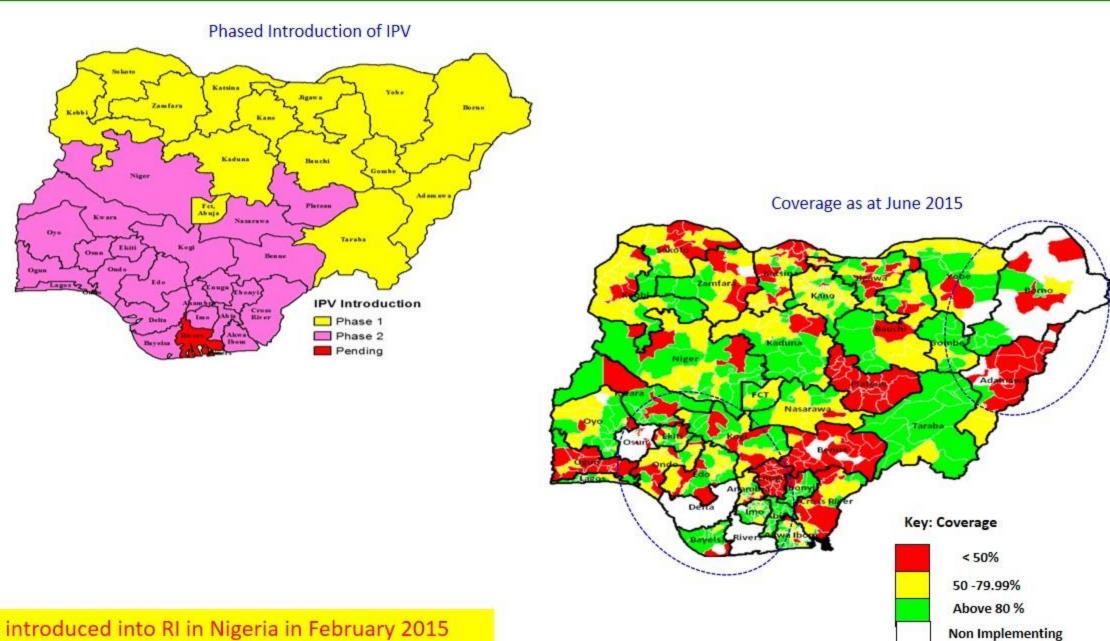
#### Outcome

- Logistics gaps closed
- More fixed and outreach RI sessions are being held and tracked weekly
- Tracking of community linked activities
- Sessions are monitored and tracked by senior supervisors
- Tracking IPV utilization in the 46 priority LGAs. This would be scaled up in other LGAs

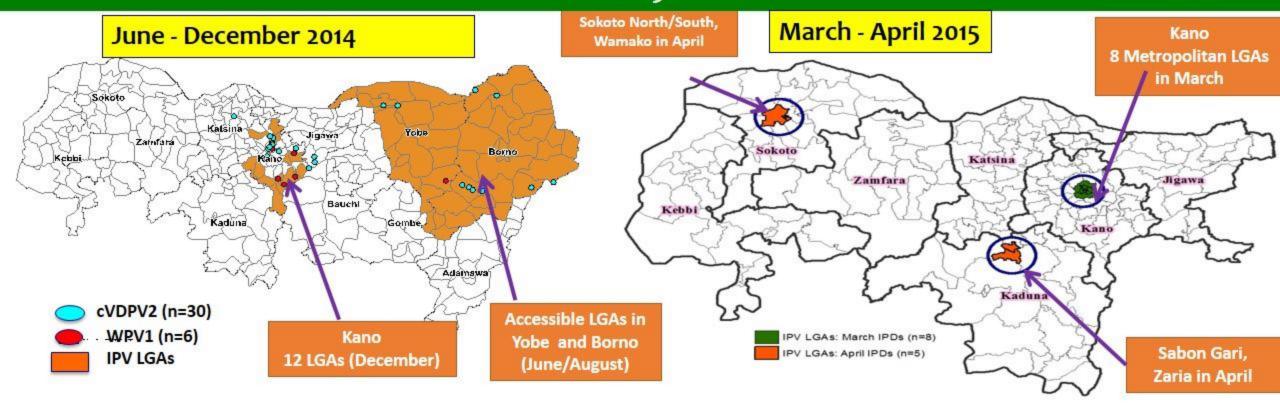
#### SIAs response to stop cVDPV transmission in 2014 and 2015



### Phased introduction of IPV in RI schedule in 2015



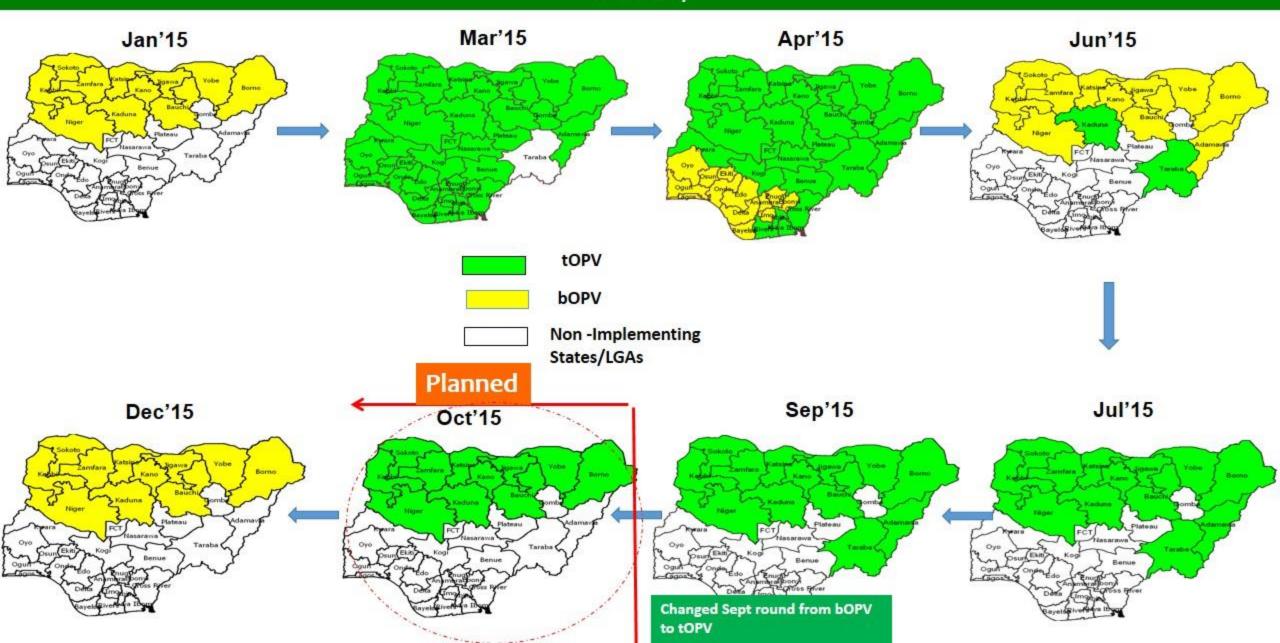
# Use of IPV as a New Tool to Stop cVDPV Transmission in Borno, Yobe and Selected LGAs in 2014 & 2015



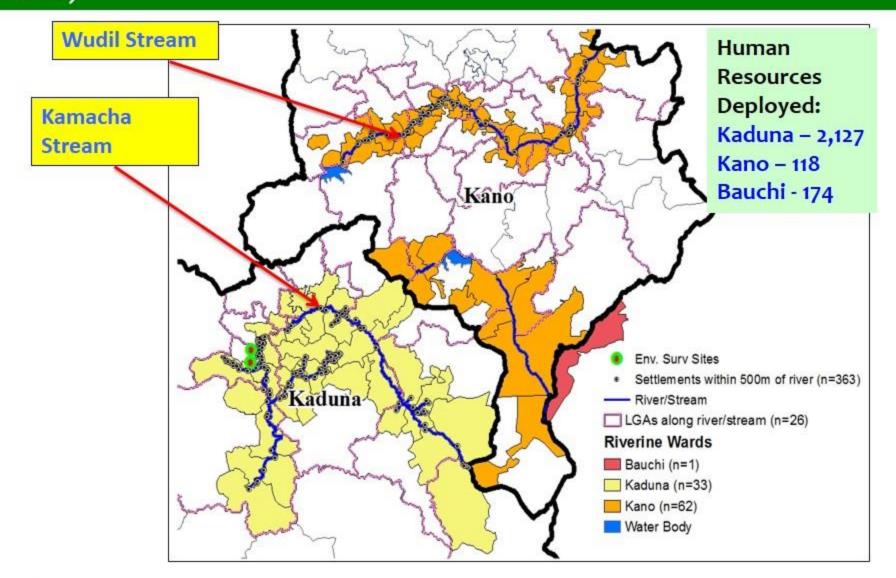
State	LGA	# of children vaccinated
Borno	27	1,375,049
Yobe	17	880,566
Kano	12	756,208
Total	56	3,011,823

State	Target Population	LGA	# of children vaccinated				
Kano	760,181	8	805,949				
Kaduna	318,445	2	344,330				
Sokoto	319,192	3	225,506				
Total	1,397,818	13	1,375,785				

**Stopping cVDPV::** Polio SIAs for 2015 with focus on cVDPV- type 2 circulation (5/8 SIAs tOPV rounds)



Improving Population Immunity along Streams of Interest (Kamacha stream in Kaduna and Wudil stream in Kano)

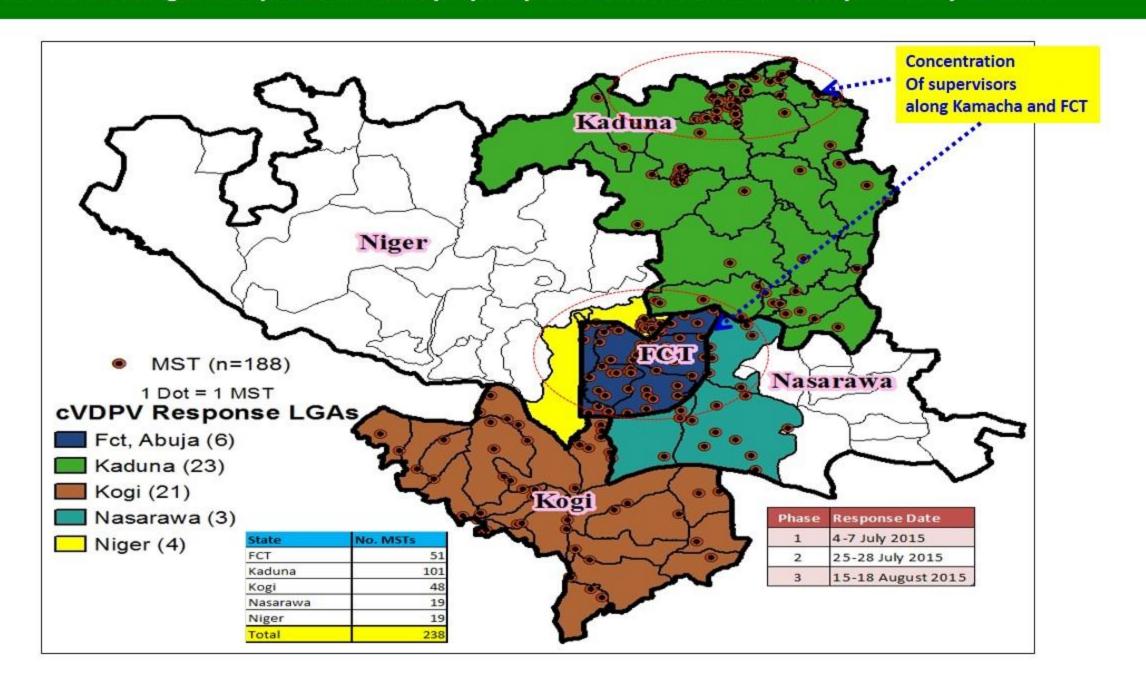


State	Number of LGAs	Number of Wards
Kaduna	10	50
Kano	17	62
Bauchi	1	3
TOTAL	28	115

Environmental cVDPV was detected in Kamacha River in Zaria LGA of Kaduna state on 20th January and 4<sup>th</sup>

March 2015, active case search was done and outbreak response was conducted

#### Intensified targeted supervision of mop-up responses: cVDPV Outbreak Response July 4-7 IPDs



# Zaria sanctuary: Response to cVDPV from the Environment

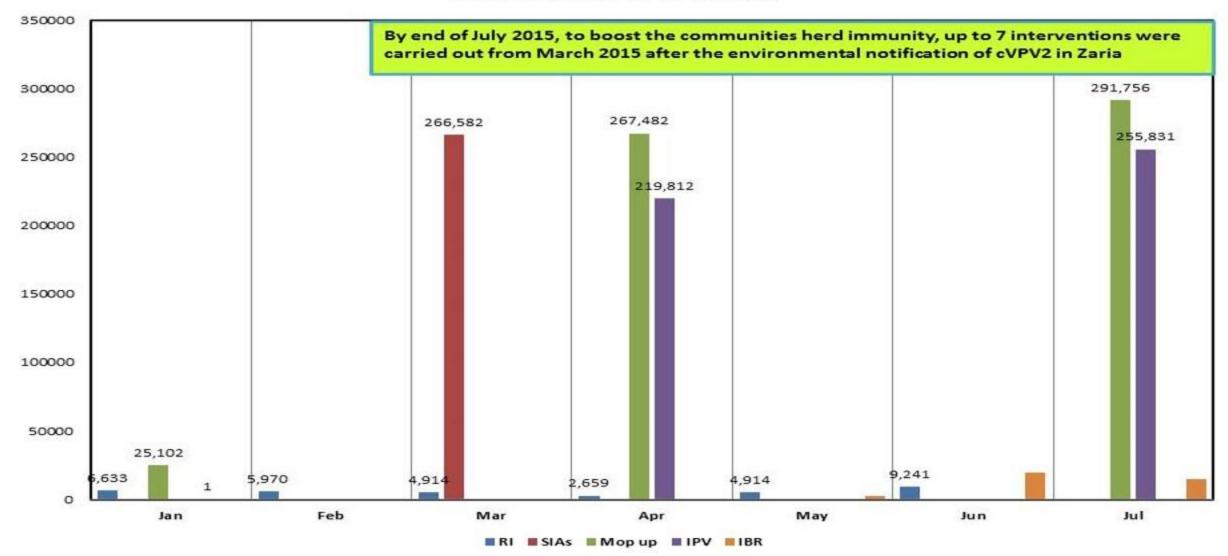
State	LGA	S/No		Date	Scope	Type of Antigen	Status
		1	Date of Sample collection	20 <sup>th</sup> Jan 2015 4th March 2015			
Kaduna		2	Date of Notification	7th April 2015			
(Environmental cVDPV)		3	1 <sup>st</sup> OBR	12th-17th March 2015	National IPDs	tOPV	Timely
	Zaria /Kamacha Tudun Bridge	4	2 <sup>nd</sup> OBR	25 <sup>th</sup> – 28 <sup>th</sup> April 2015	Kaduna 2 LGAs (Zaria, Sabon Gari) Sokoto 3 LGAs (S/North, S/South & Wamakko)	tOPV+IPV	Timely
		5	3 <sup>rd</sup> OBR	27 <sup>th</sup> Apr – 2 <sup>nd</sup> May	June SIPDs (11 HR states + Adamawa & Taraba	tOPV	Timely

# Zaria: Also benefited from the mop up responses to the cVDPV case in FCT

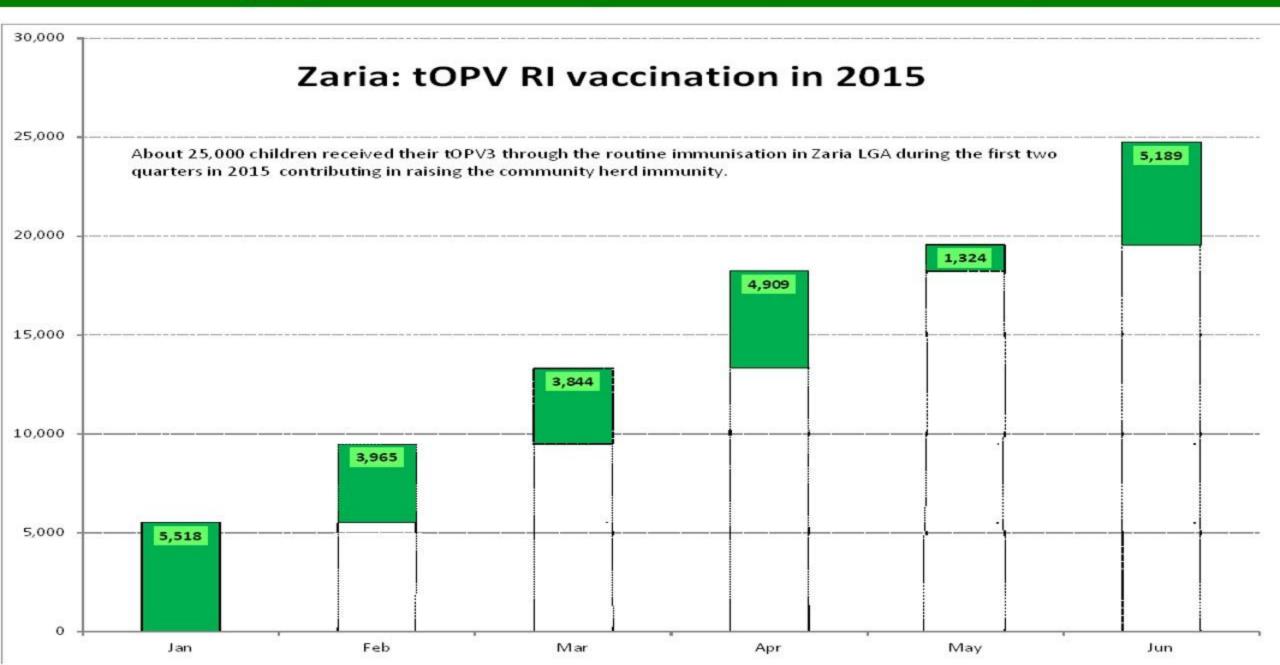
State	LGA	S/No		Date	Scope	Type of Antigen	Status			
		1	Date of Onset	16th May 2015						
		2	Date of Notification	26th June 2015	Target Population – 8	Population – 8,566,460				
FCT (cVDPV2 from AFP)	Kwali	3	1 <sup>st</sup> OBR	4th -7th July 15	State-wide (FCT, <b>Kaduna</b> , Kogi),3 LGAs in Niger,4 LGAs in Nasarawa	tOPV	Timely			
	4	2 <sup>nd</sup> OBR	25th-28th July 15	With July SIPDs	tOPV	Timely				
		5	3rd OBR	15th -18th August 15	State-wide (FCT, <b>Kaduna</b> , Kogi),3 LGAs in Niger,4 LGAs in Nasarawa	tOPV	Timely			

# Zaria sanctuary: Boosting immunity to cVDPV2 with total of 5 interventions (SIAs, mop-ups, IBR ,IPV, and RI)

### Zaria 2015 tOPV and IPV used



# Boosting Population Immunity: RI Intensification in Zaria, Kaduna



## cVDPV2 Case in Kwali, FCT

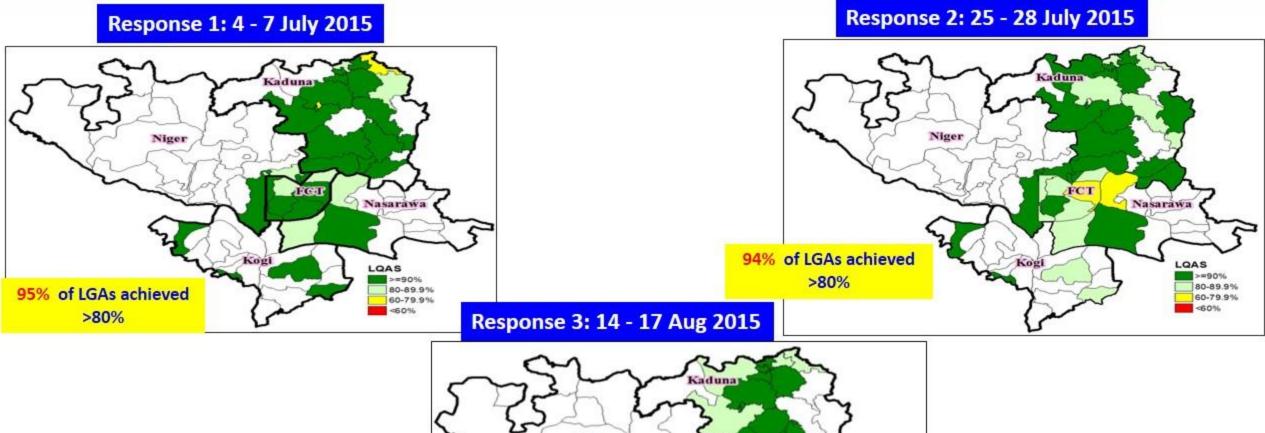
Geographic location	Gbesa settlement, Dafa ward, Kwali Area Council - FCT						
Age	22 months						
OPV Status (IPDs Campaigns)	4 doses						
OPV Status (RI)	4 doses (name found in RI register)						
Residence/Location	Not from Nomadic Family but in close proximity to Nomads						
Parents' Social Status	Poor, highest education is secondary school						
Residence	Rural, village						
Status of RI Coverage in settlement	7 out of 30 children aged 0 - 5 years were zero dose for OPV						
Nutritional Status	Malnourished and had measles at 6 months						

Summary: Young male child of poor background, living in rural village with poor routine immunization coverage.

# FCT: Details of response in Kwali, FCT

State	LGA	S/No		Date	Scope	Type of Antigen	Status
FCT		1	Date of Onset	16th May 2015			
	2	Date of Notification	26th June 2015	Target Population – 8	3,566,46	0	
(cVDPV2 from AFP)	Kwali	3	1 <sup>st</sup> OBR	4th -7th July 15	State-wide (FCT, Kaduna, Kogi),3 LGAs in Niger,4 LGAs in Nasarawa	tOPV	Timely
	4	2 <sup>nd</sup> OBR	25th-28th July 15	With July SIPDs	tOPV	Timely	
		5	3rd OBR		State-wide (FCT, Kaduna, Kogi),3 LGAs in		
				15th -18th August 15	Niger,4 LGAs in Nasarawa	tOPV	Timely

#### What were the Qualities of Response: LQAS Performance for July - August 2015





Immunity estimates do <u>not</u> account for SIAs with IPV. \*Districts with IPV campaigns are shown by cross-hatching. Population immunity (%)

Number of cases

Immunity estimates accounting for SIAs with IPV.

3an – Jun 2014

Jul – Dec 2014

Jan – Jun 2015

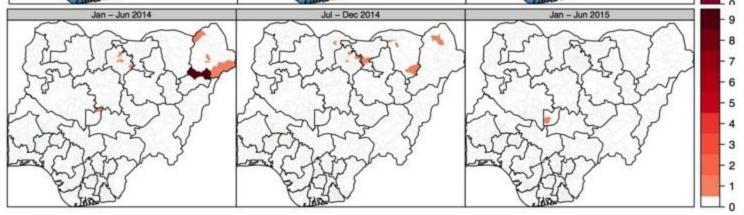
- 80

- 60

- 40

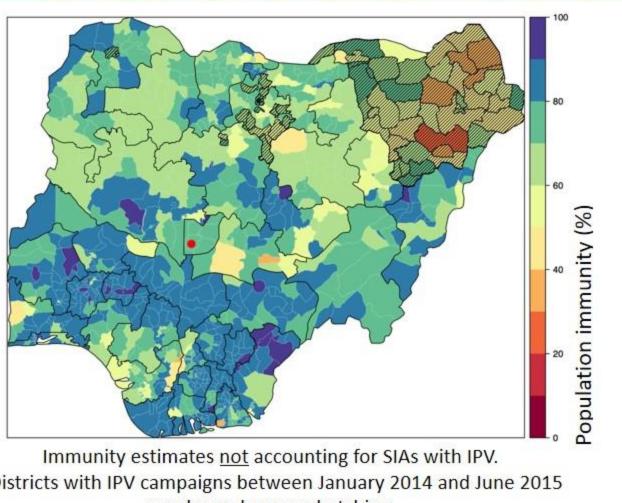
- 20

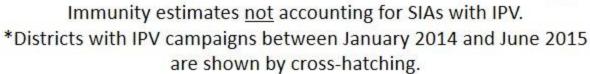
cVDPV2 cases

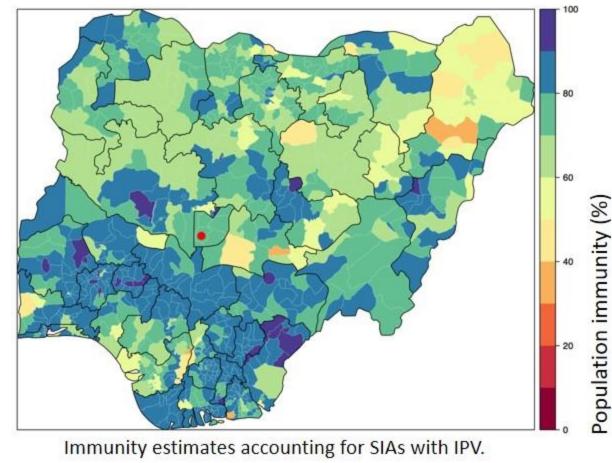


Vaccine Epidemiology Research Group, Imperial College London

# Rising Population Immunity Profile to cVDPV2- Children 0-2 YEARS







indicates LGA location of most recently reported case

### **Reaching Chronically Missed Children Through Innovations**





Vetting the Programme to scale up what works and scale down what does not work

Approximately 3,300 health camps used during the July 2015 IPDs

- The evaluation study done supports the scaling up of health camps and \$20 million would be required for 2016 and 2017
- Directly Observed Polio
   Vaccination (DOPV)
- > 578 CMAM sites

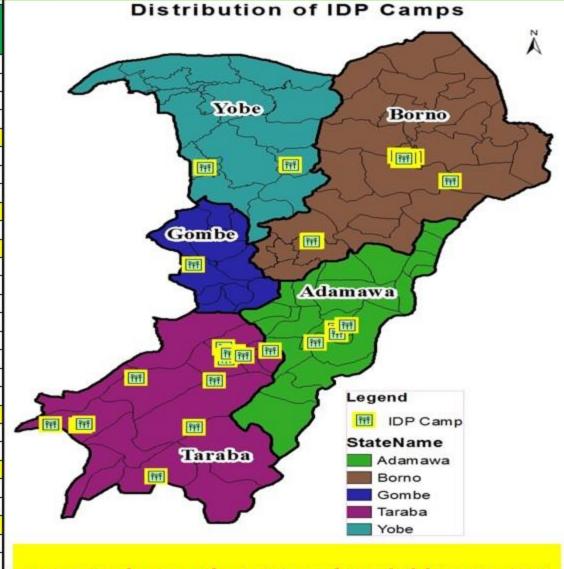
update





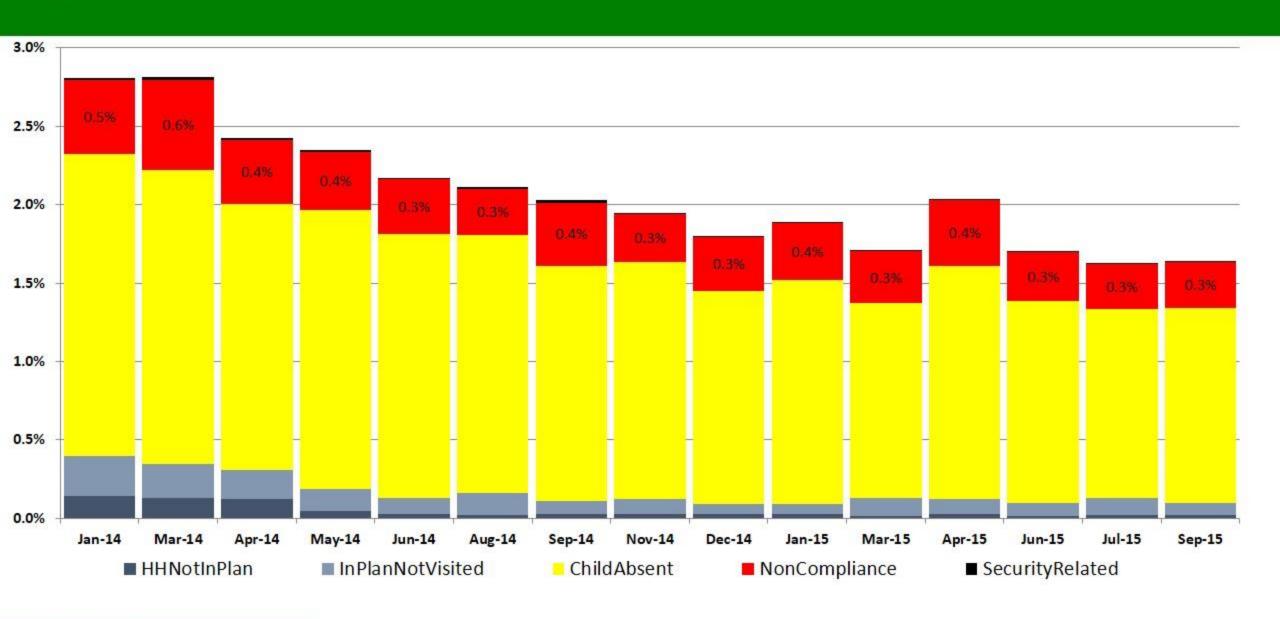
## 5 Vaccinating Children in IDP Camps

LGA/State	# IDP Camps	Cumulative doses adminstere	Cumulative zero-dose	Cummulative IPV doses	# AFP Cases reported
Fufore	2	6229	42		
Girei	3	17061	50		
Yola North	1	1512	13		
Yola South	2	13369	57		
Adamawa	8	38171	162		
Jere	15	105995	1864	2430	2
Konduga	1	1412	70	439	0
Maiduguri	10	120737	1233	2204	4
Borno	26	228144	3167	5073	6
AKKO	1	1336	212	2	
Gombe	1	1336	212	2	
Ardo Kola	6	3637	95		
Bali	3	1483	29		
Donga	4	1497	20		
Gassol	1	436	20		
Jalingo	4	4313	101		
Karim Lamido	1	61	3		3
Wukari	7	6145	143		
Zing	1	665	33		
Taraba	27	18237	444		
Damaturu	1	2022	36	1	
Geidam	1	3880	30	1	1.1
Yobe	2	5902	66	2	
Logo	2	61	0		
Ukum	1	68	14		
Benue	3	129	14		
Jos South	5	129	0	237	0
Kanam	1	266	23	72	1
Quaan Pan	14	69	4	62	0
Wase	9	0	0	0	0
Plateau	29	464	27	371	1
Total	96	292,383	4,092	5,448	7

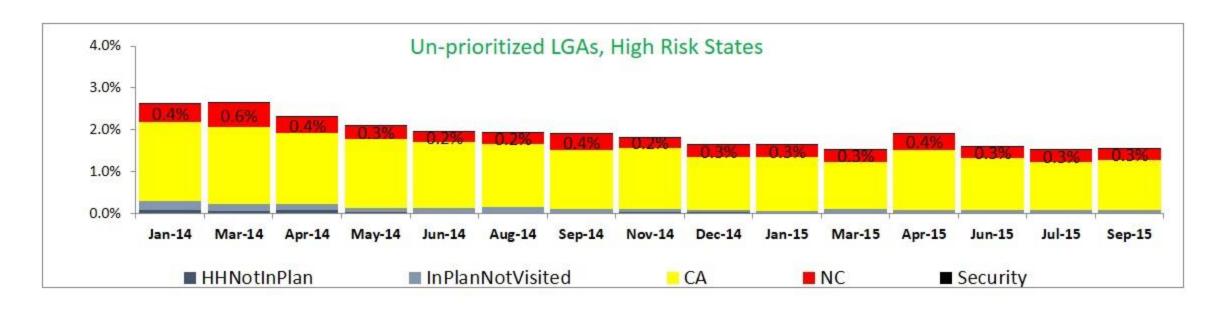


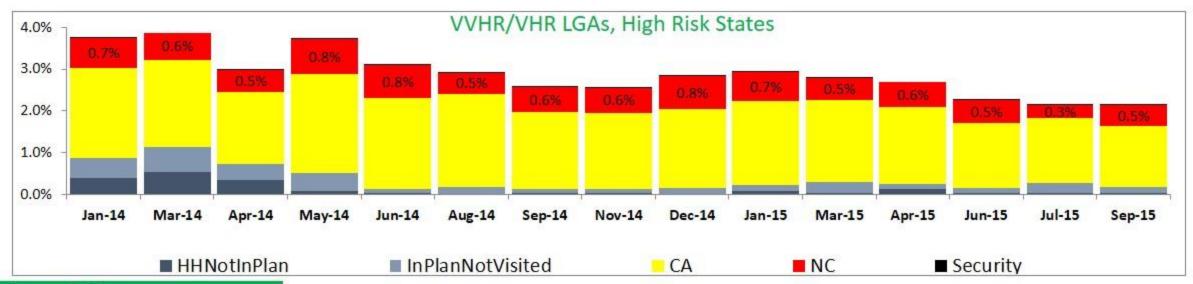
292,383 doses administered to children in IDP Camps: week 01 - 34

# Continued focus on understanding reasons for missed children: Steady reduction in overall missed children

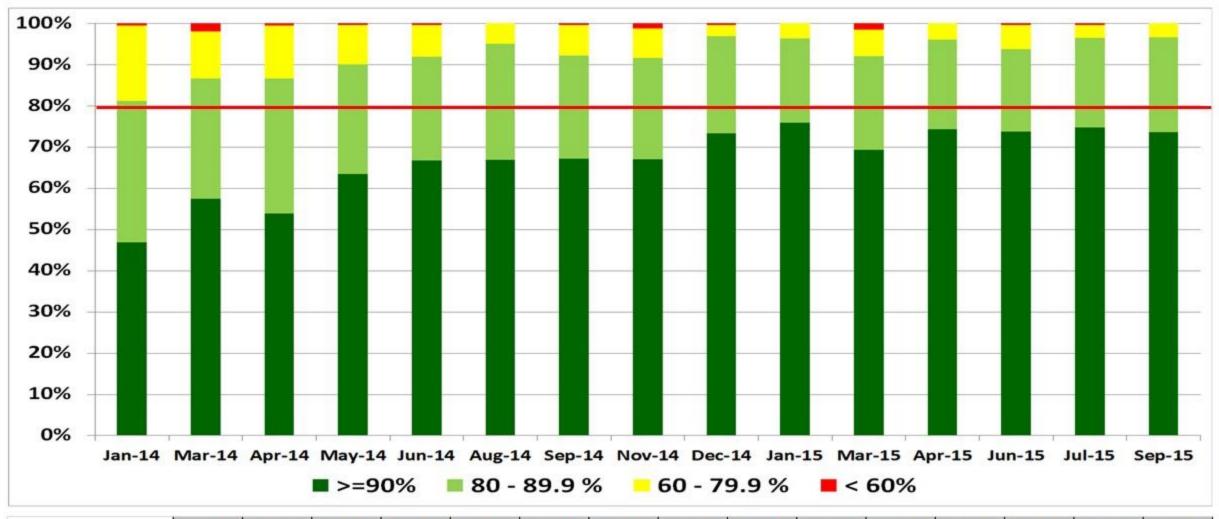


# Overall reduction in missed children



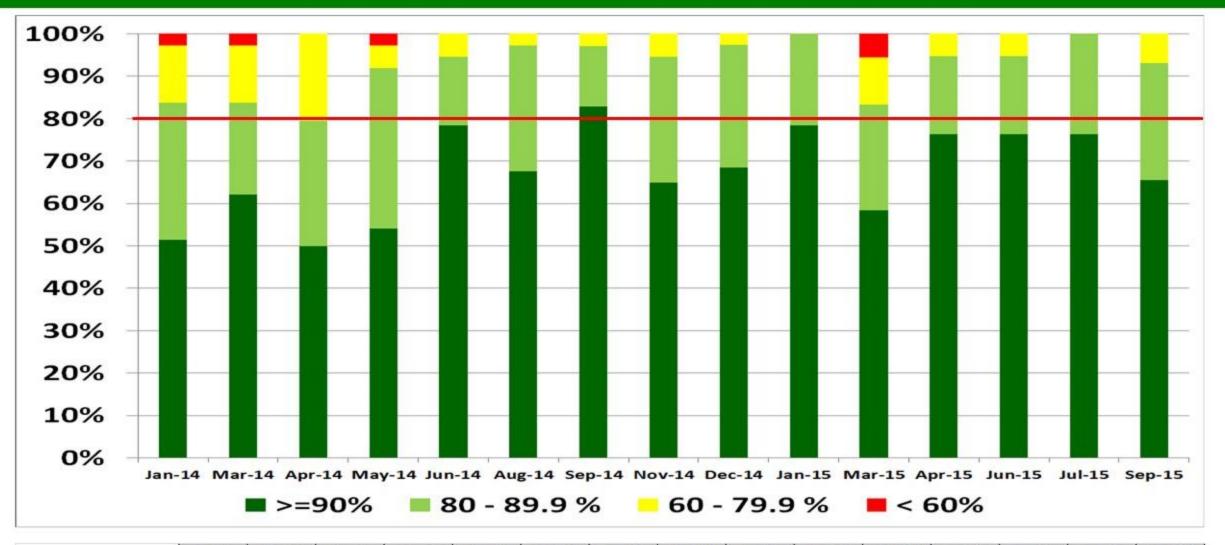


## Trends in LQAs from the 11 High risk states



	Jan-14	Mar-14	Apr-14	May-14	Jun-14	Aug-14	Sep-14	Nov-14	Dec-14	Jan-15	Mar-15	Apr-15	Jun-15	Jul-15	Sep-15
LGAs surveyed	207	209	208	222	222	220	216	227	225	220	202	226	225	226	204
>=90%	47%	57%	54%	64%	67%	67%	67%	67%	73%	76%	69%	74%	74%	75%	74%
80 - 89.9 %	34%	29%	33%	27%	25%	28%	25%	25%	24%	20%	23%	22%	20%	22%	23%
60 - 79.9 %	18%	11%	13%	9%	8%	5%	7%	7%	3%	4%	6%	4%	6%	3%	3%
< 60%	0%	2%	0%	0%	0%	0%	0%	1%	0%	0%	1%	0%	0%	0%	0%

## Trends in LQAs from the 38 VERY High Risk LGAs



	Jan-14	Mar-14	Apr-14	May-14	Jun-14	Aug-14	Sep-14	Nov-14	Dec-14	Jan-15	Mar-15	Apr-15	Jun-15	Jul-15	Sep-15
LGAs surveyed	37	37	34	37	37	37	35	37	38	37	36	38	38	38	29
×=90%	51%	62%	50%	54%	78%	68%	83%	65%	68%	78%	58%	76%	76%	76%	66%
80 - 89.9 %	32%	22%	29%	38%	16%	30%	14%	30%	29%	22%	25%	18%	18%	24%	28%
60 - 79.9 %	14%	14%	21%	5%	5%	3%	3%	5%	3%	0%	11%	5%	5%	0%	7%
< 60%	3%	3%	0%	3%	0%	0%	0%	0%	0%	0%	6%	0%	0%	0%	0%

## Responding to the risk of Importation of cVDPV in Mali



New cVDPV Threat in West Africa: Mali with the latest case

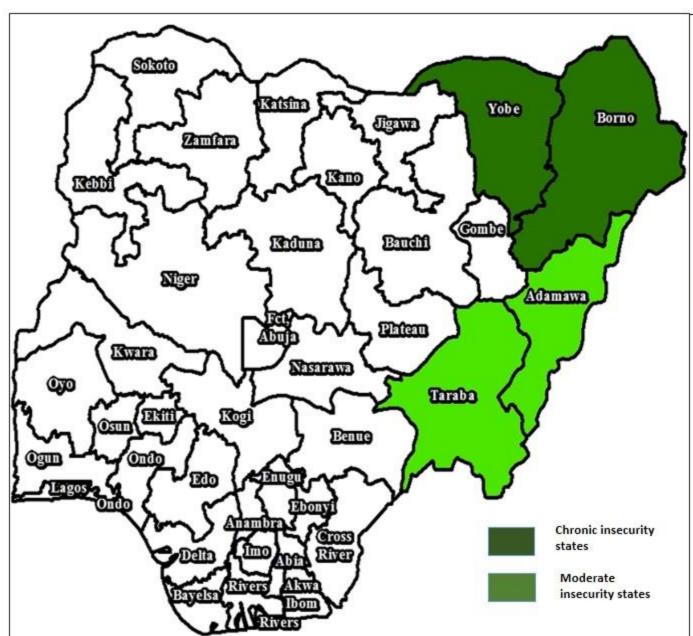
Infected LGA/District	Commune 3		
Infected Province	Bamako		
Date of Onset	20 July 2015		
Closest match	2014 VDPV 2 from Guinea		

- Sensitization of Port Health Staff to vaccinate travellers with OPV.
- Intensification of cross border vaccination with Niger, Benin Republic.
- Deploying of additional resources: Vaccines and logistics.
- Intensification of cross border surveillance activities.

#### Outline of Presentation

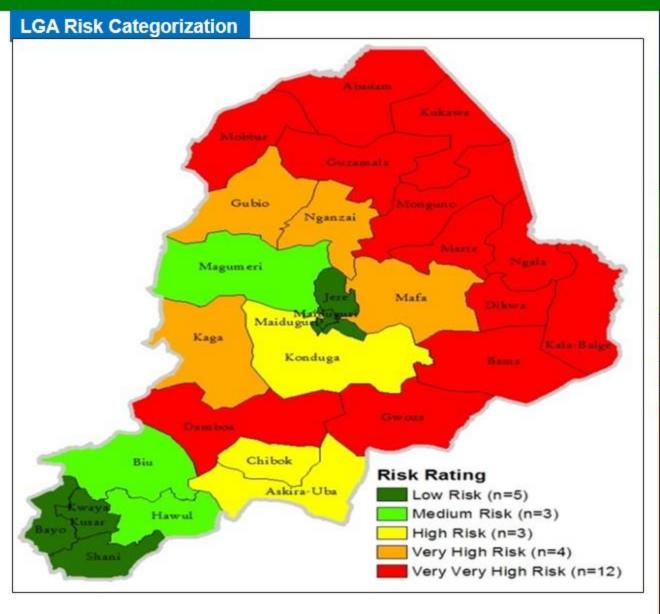
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## Insecurity continues to be the major challenge to the program in north-eastern Nigeria



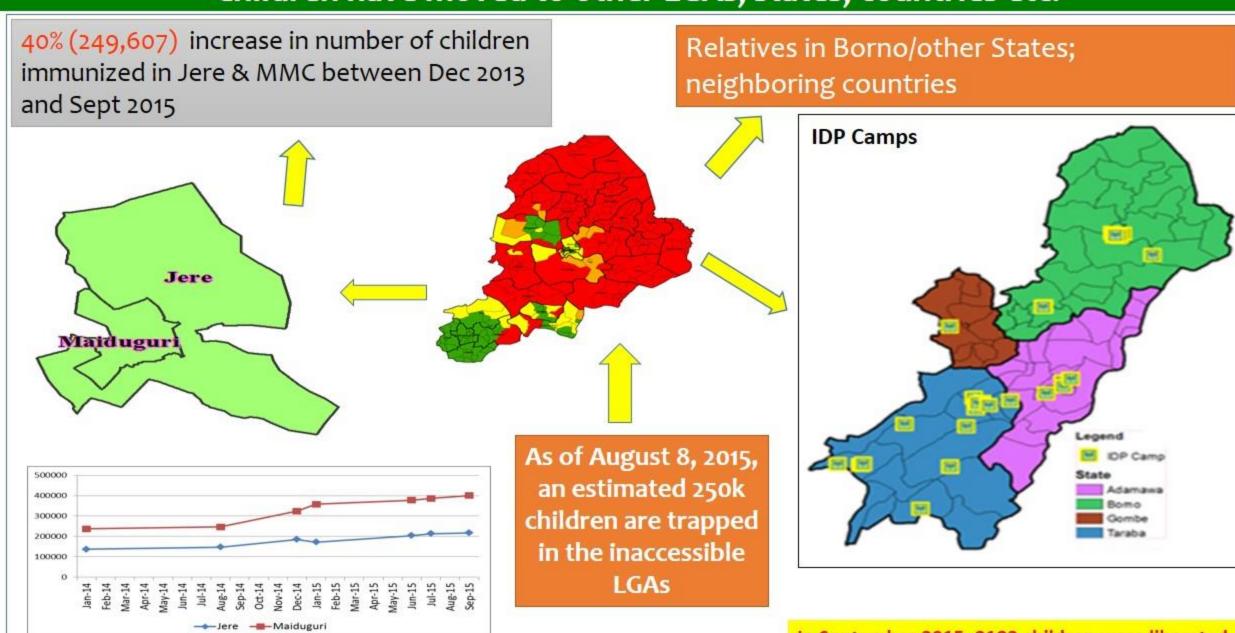
- Immunization activities are still being affected by activities of insurgents in NE Nigeria
- 12/27 LGAs in Borno were completely inaccessible for SIAs in July 2015.
- 2/17 LGAs in Yobe (Gujba & Gulani) were completely inaccessible in July IPDs
- 3/21 LGAs in Adamawa were affected by the insurgency.
- 4/16 LGAs in Taraba.
- In some LGAs where campaigns took place, not all wards were covered

# We have categorized the LGAs and Wards based on level of insecurity, and tailor made strategies to reach inaccessible children



Category	LGAs	Accessibility to PEI Activities	Customized Strategies	
	Вауо		All	
Low Risk	Shani			
	Kwaya Kusar	Fully accessible		
		Turry accessible		
	Maiduguri	e e		
	Jere			
Medium Risk	Magumeri	0.0000000	PHT, Hit and Run , Market and local transit immunization, Hard to Reach,	
	Biu	> 80% accessible		
	Hawul			
High risk	Konduga		PHT, Hit and Run, Free Child health	
	Aski ra/Uba	60-70% accessible		
	Chibok			
VHR	Gubio			
VHR	Nganzai	>50%	Hit and Run, free Child	
VHR	Mafa	23070	health	
VHR	Kaga			
	Ba ma		Completely Inaccessible	
	Dikwa			
VVHR	Gwoza	Highly volatile		
	Damboa			
	Ngala			
	Abadam			
	Marte			
	Kala-Balge			
	Monguno			
	Guzamala			
	Mobbar			
	Kukawa			

## Children have moved to other LGAs, states, countries etc.



In September 2015, 2183 children were liberated from Gujiba and Gulani LGAs of Yobe State.

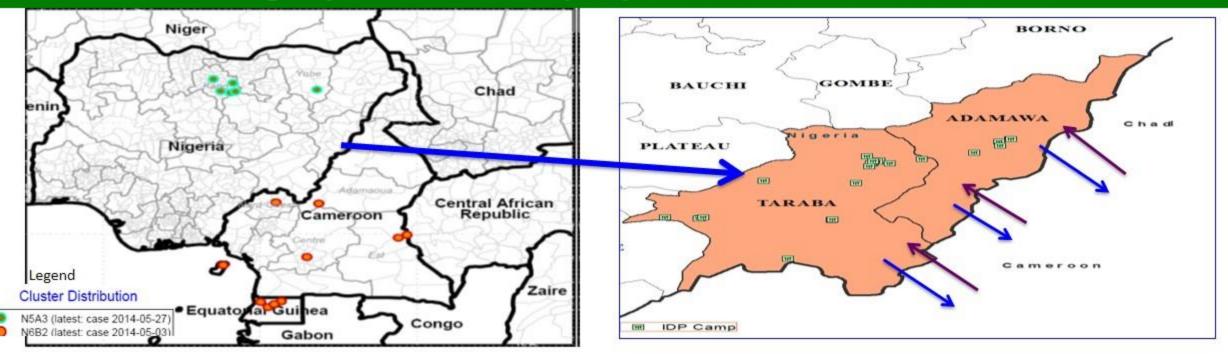
nterventions	Borno	Yobe	Taraba	Adamawa	Total	Type of vaccine
Fire walling	33,033	44,984			78,017	bopv/topv
PHT	329,470	454,338		24,648	808,456	bopv/topv
Market/	286,329	14,431	56,362	36,401	393,523	tOPV
IBPT	2200 50	11,634	46,345	53,962	111,941	bopv
Cross Border				6,730	6,730	bopv
Hit & Run	45,874	1,350,213		55,130	1,451,217	bOPV
IDPs	228,144	5,902	18,237	38,171	290,454	topv,bopv, topv IPV)
Hospital		14,908			14,908	tOPV
Nomadic		24,457			24,457	tOPV
Total	922,850	1,920,867	120,944	215,042	3,179,703	

A total of 3,179,703 doses administered through Special interventions in 4 states

#### Other Strategies for Security Compromised areas.

- > To disaggregate IDPs data based on children reached from inaccessible LGAs
- > To document the consolidated impact of the various strategies contributing to the reduction in missed children by area.
- > Search teams engaged to locate incoming IDPs and informal IDP camps.
- > Plans with timelines for vaccinating children when schools are re-opened.
- > Vaccination of Newly Accessed Children from security compromised areas.
- > Enhanced Health Services in selected health facilities e.g. CMAM

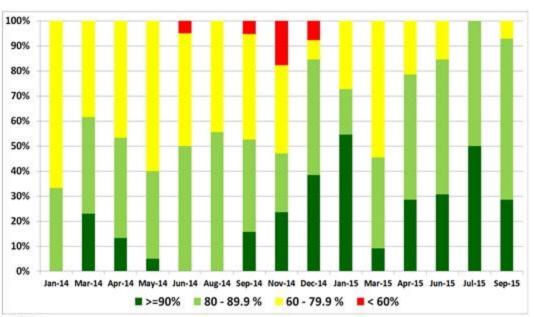
### Closing Population Immunity Gaps in Adamawa and Taraba states



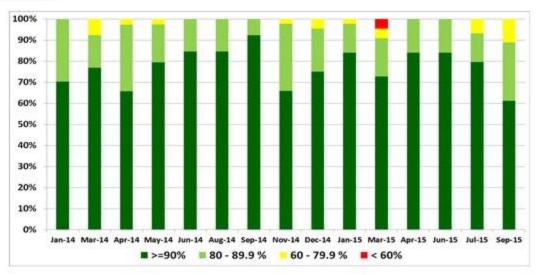
- Surge capacity strengthened: 71 Personnel from the Federal Government and partner agencies were deployed to both states for 3 months (August 2015 – October 2015) to support with SIAs, routine immunization and surveillance activities
- Use of innovative strategies: DOPV implemented in 7 LGAs in Taraba and 3 LGAs in Adamawa; immunization in 20 IDP camps in Adamawa and in 8 IDP camps in Taraba
- > Strengthening of border vaccinations between both states and Cameroon and Chad: immunization at 36 international border points in 9 LGAs in Adamawa and in 4 LGAs in Taraba

### Trends of LQAS:, Borno, Yobe, Kano and Kaduna states

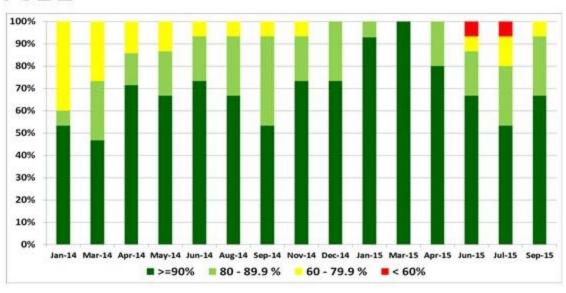
#### **BORNO**



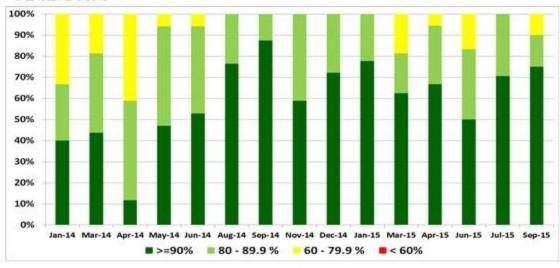
#### **KANO**



#### YOBE



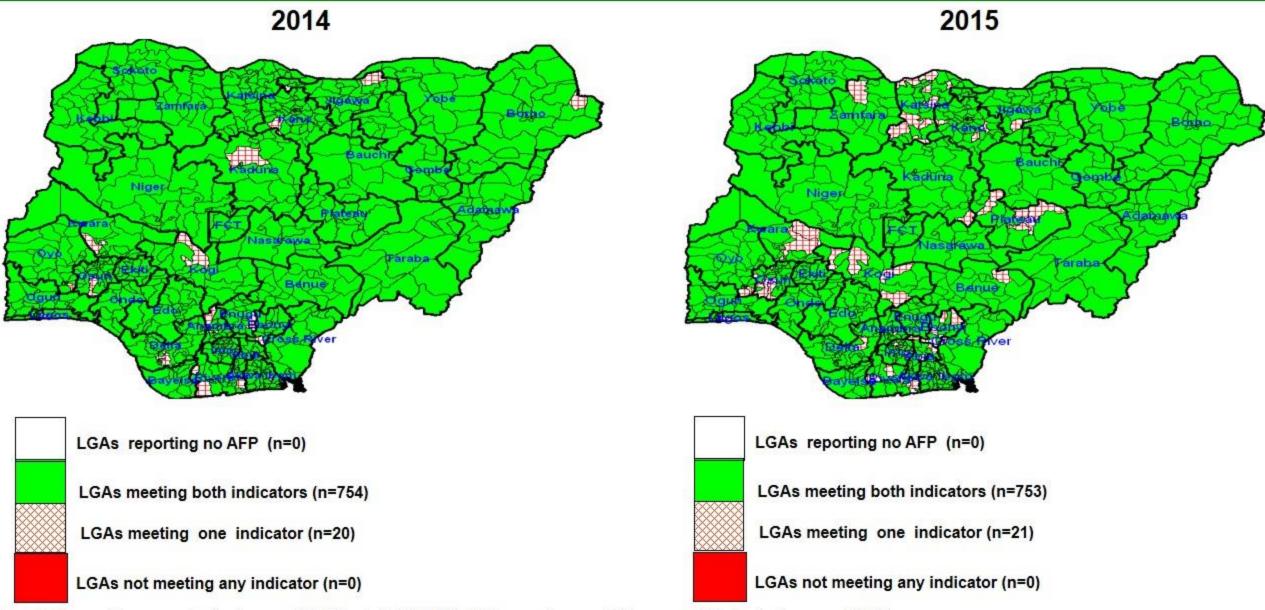
#### KADUNA



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# LGAs that have reported at least 1 AFP case and achieved 2 AFP Surveillance core indicators, as at week 37, 2014 & 2015



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

# Increasing sensitivity of surveillance through increase in trainings, sensitizations and active case search

#### Sensitizations:

- clinicians: 11, 831

- Community Informants: 17, 668

Professional associations: 670

Physiotherapists: 41

#### Trainings:

- DSNOs and assistants: 2, 887

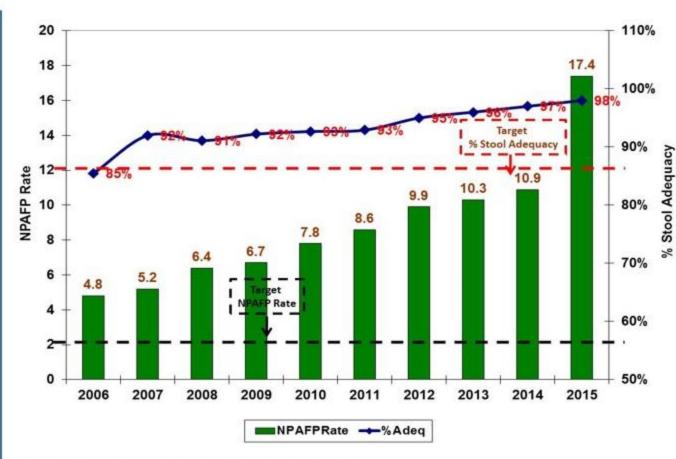
- Focal persons: 4, 590

- FV 644

- VCMs 12, 258

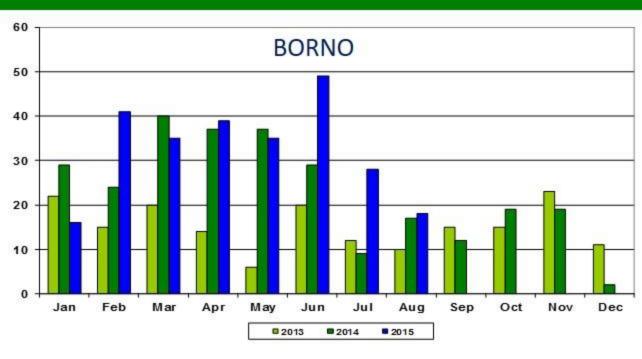
- NYSC 24

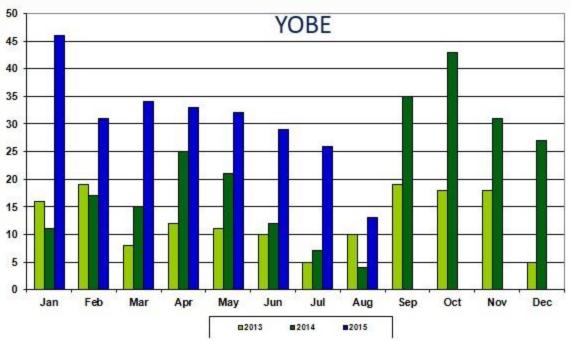
- Conduct Active Case Search high priority HFs and in IDP camps
- Cross border activities (Sokoto Taraba) with increased reporting of cases

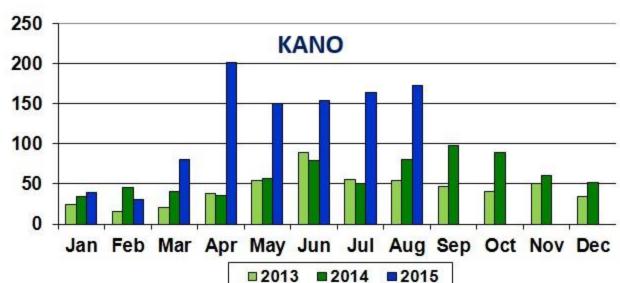


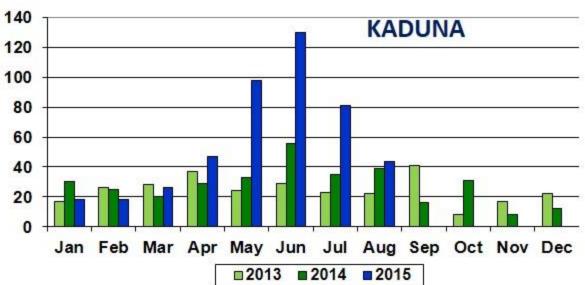
9, 869 AFP cases reported Jan - Aug, 2015

### Borno, Yobe and Adamawa: Trends of AFP cases reported monthly Jan – Aug 2013 – 2015









## Surveillance response to cVDPV2: FCT and Kaduna

Surveillance performance in Kwali LGA 2015: NPAFP 27,5 Stool adequacy: 100%. Case reported by Community informant.

#### Response:

- Immediate investigation <48hrs</li>
- Conducted Retroactive case search in 3 wards, reviewed health records (no AFP found)
- Immediate Immunization around cases in June, Mop up response 2 7 July, LQAS: Cov >90%
- Training of DSNOs, Clinicians, Community informants done
- Supervision activities, community stool survey done

#### Community stool sampling results

23 stool samples were collected from contacts (3) and non-contacts (18) in Kwali LGA,FCT. These were from persons in same ward with case and other wards.

#### Results:

18 stools= negative (at Primary Isolation)
03 stools reveal polio virus and ITD carried out and results = Sabins

Conclusion: All stools from contacts and non-contacts are negative for WPV and VDPV.

In Kaduna state, detailed Retroactive case search that involved 196 surveyors; 35 AFPs were found and all are in the Database.

#### **Outline of Presentation**

- 1. WPV and cVDPV Epidemiology
- 2. Strategies to stop transmission of cVDPV in Nigeria
- 3. Efforts to reach children in security compromised areas of Borno and Yobe
- 4. Surveillance
- 5. Challenges facing the programme
- Next Steps

# **Current Challenges**

- ➤ Insecurity in the North Eastern part of the country
- ➤ New political office holders at national and state levels
- Funding gap: \$203 Million in 2016 and \$237 Million in 2017
- ➤ Global vaccine availability
- ➤ Bridging surveillance gaps
- ➤ Complacency and persistent Health Workers' strike

#### **Outline of Presentation**

- 1. WPV and cVDPV Epidemiology
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- 4. Surveillance
- 5. Challenges facing the programme
- 6. Next Steps



# Setting the context: New political leadership

- EOC advocacy plan being implemented for the new government leadership at each level
  - Letters on 1-year without a case to Mr President & Governors, Sultan, CAN President, Governor's Forum, National Economic Council
  - Briefing of NGF Chairman
  - Meetings with LGA Chairmen taking place at state level
  - Partner agency briefings with new Governors
  - Meetings with Northern & Nigeria Governor's forum immunization to be a standing agenda item
  - Updated Abuja Commitments and Dashboard being finalized
- Strong media plan implemented across partners to manage 1-year without a polio case & beyond
  - Overarching message of 'cautious optimism' captured; most media captured message that polio is not over
  - Strong coverage in national, international & social media

# **Next Steps Cont.d**

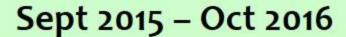
- 2. Ensure a polio free Nigeria and achieve certification status by 2017
- 3. Intensified Routine Immunization to raise population immunity
- 4. Reaching children in security compromised areas.
- 5. Conducting quality SIAs with the best tools to interrupt cVDPV2 transmission.
- 6. Intensification of surveillance
- 7. Timely and robust response to any outbreak
- 8. Intensify cross border vaccination against importation.

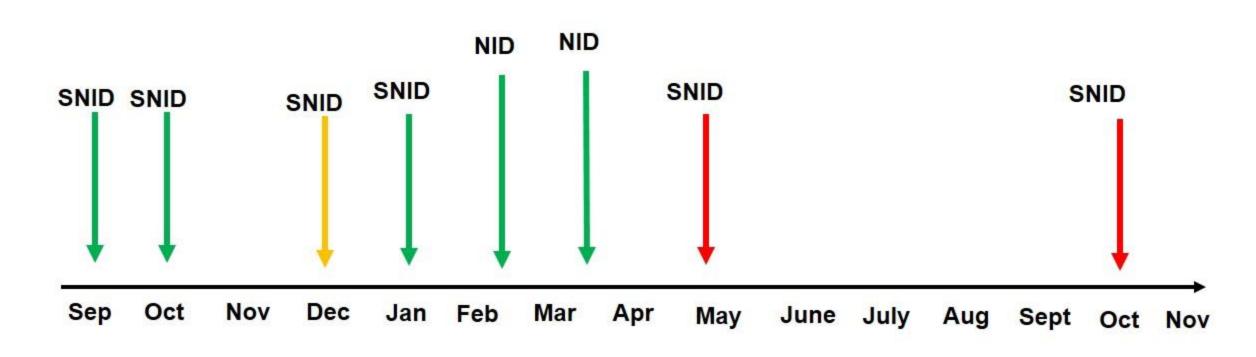
## 9. Continued focus on understanding missed children

Detailed data analysis to understand reasons for missed children

- Tailored approaches during/in-between campaigns:
  - DOPV
  - Social mobilization
  - Hard-to-reach outreach project
  - Health camps in non-compliant areas/access issues
  - Market/outside/transit vaccination

## ERC Endorsement: Implementation of high quality SIAs schedule











### Plans for SIAs: 2016 - 2018

Year	Total Number of Rounds	Number of National Rounds	Number of Sub National Rounds
2016	5	2	3
2017	5	2	3
2018	4	2	2

## **ERC Approved SIAs Calendar for 2016**

/No.	Dates	Antigen & Scope	Comment
1	23 - 26 January	tOPV (SIPDs)	
2	27 Feb — 1 <sup>st</sup> March	tOPV (NIPDs)	
3	19 – 22 March	tOPV (NIPDs)	
		Easter: 25 – 28 March	
	18 April S	witch Day (from tOPV to be	OPV)
4	14 – 17 May	bOPV (SIPDs)	
	R	amadan: June 6 - 5 July	

### Withdrawal of tOPV and replacement with bOPV: The Switch committee has been set up



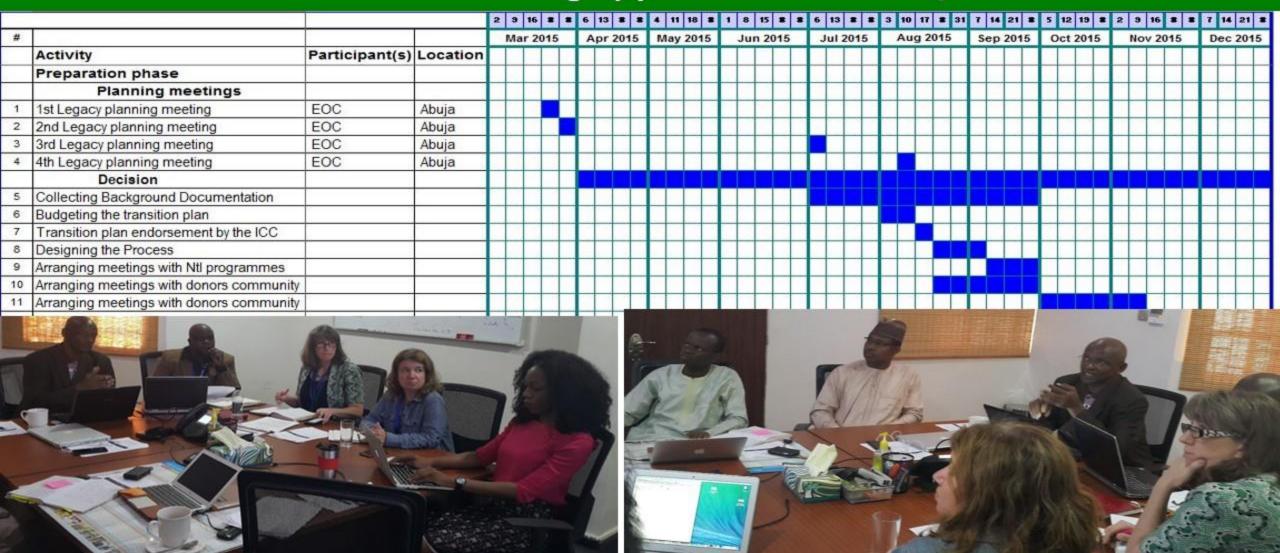
been held at the National EOC

The switch date for Nigeria is 18<sup>th</sup> April 2016.

# Draft Work plan developed for tOPV/bOPV Switch in 2016

Month	Aug Sep Oct Nov Dec Jan Feb March April May
Week	1234123412341234123412341234123412341234
Planning & Coordination	
•Setting up of the coordination structures & meeting schedules	
•Develop the National Plan & budget	
•Setting up an operations centre	
•Clarifying roles & responsibilities (development of ToRs)	
Logistics	
Develop a logistics plan	
Forecasting & pipeline management/procurement	
•Stock monitoring	
•Cold Chain Inventory- Conduct & Analyse	
•Plan for reverse logistics	
•Identify transport mechanisms	
Implementation	
Prioritize & fund activities	
National SWITCH Day: 18 April 2016	
•Recall all tOPV: 16-17 April 2016	
Waste management	
Coordination with NAFDAC	
•Identification of waste disposal sites	
•Identification of warehousing space for vaccine awaiting disposal	
Production of disposal bags and stickers	
Communication	
•Sensitization at all training opportunities & with private sector	
Human Resources Management	
Identify human resources requirements	
•Identify & map existing staff to dedicate to SWITCH activities	
Map existing staff against needs	
•Develop ToRs	
•Recruit staff (LGA switch monitors where LGAFs are not in place)	
Training	
National Master Training	
•State Training	
•Implementation Training at LGA level (for HW at health facilities)	
Data management	<del>                                     </del>
•Stock management information	
•Cold Chain Inventory Information	

## Timeline of the legacy plan till December 2015



Legacy Working Group meeting at the National EOC

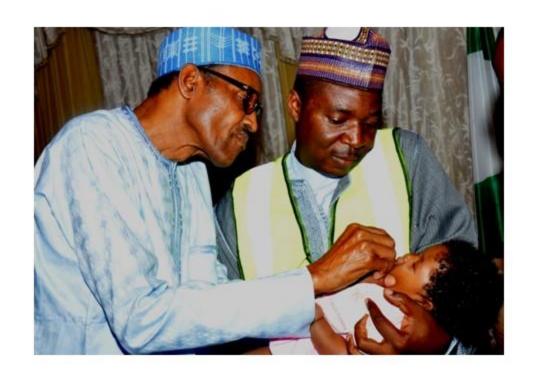
- The ICC Legacy Working Group has had several meetings. The latest meeting was held on 4<sup>th</sup> August 2015 and an activity plan was developed for each phase of the transition plan. This is being tracked by the National EOC.
- >Consultants have been hired to record the current inventory of all resources from all agencies.

"The Federal Government will do its best to ensure that no child in Nigeria will ever again be paralyzed with polio. We shall leave no stone unturned to mobilize the necessary resources in place and efficiently finish the job of polio eradication."

"I also seize this opportunity to call on Governors, our Traditional and Religious Leaders, the private sector and & Mothers & Fathers to redouble their effort in ensuring that every child and every newborn baby is vaccinated with the polio vaccine and other life saving routine vaccines."

"I wish all Nigerians a polio free country in 2017."

Statement by His Excellency President Muhammadu Buhari as he immunized his grand-daughter on the occasion of Nigeria attaining one year without a case of polio.





# **Extra Slides**

	Monitoring Surveillance Performance in North East Zone 2015												
	as at September 18, 2015: Borno State												
Security Situation	LGA	AFP Expected	AFP Reported	% Stool Adequacy	NPAFP Rate	WPV	cVDPV	Number with lab Result	Number NPENT isolated	NPENT isolation rate	Number of sabin isolation	Sabin isolation rate	
	Askira/Uba	1	6	100	9.0	0	0	6	0	0.0	2	33.3	
	Bayo	0	29	100	76.1	0	0	27	5	18.5	5	18.5	
	Biu	1	5	100	5.9	0	0	5	0	0.0	0	0.0	
	Chibok	0	4	100	12.5	0	0	4	0	0.0	0	0.0	
	Hawul	1	10	100	17.2	0	0	9	2	22.2	2	22.2	
	Jere	1	25	100	24.5	0	0	22	0	0.0	5	22.7	
	Kaga	1	5	100	11.5	0	0	5	0	0.0	1	20.0	
Low Risk	Konduga	1	12	100	15.9	0	0	10	0	0.0	4	40.0	
	Kwaya Kusar	0	7	100	25.7	0	0	6	1	16.7	0	0.0	
	Mafa	1	10	100	20.0	0	0	8	3	37.5	2	25.0	
	Magumeri	1	5	100	7.4	0	О	5	3	60.0	0	0.0	
	Maiduguri	3	27	96	10.7	0	0	26	2	7.7	1	3.8	
	Mobbar	1	7	100	12.4	О	0	7	0	0.0	4	57.1	
	Nganzai	1	4	100	10.4	0	0	3	1	33.3	0	0.0	
	Shani	1	22	100	44.6	О	О	21	4	19.0	4	19.0	
	Abadam	1	7	100	14.5	0	0	7	1	14.3	1	14.3	
	Bama	2	16	94	11.5	0	О	15	3	20.0	1	6.7	
	Damboa	1	3	100	2.7	0	0	3	0	0.0	0	0.0	
	Dikwa	1	6	100	11.7	0	О	5	0	0.0	0	0.0	
	Gubio	1	10	100	13.6	0	0	9	0	0.0	2	22.2	
Web Dist	Guzamala	1	5	100	10.8	0	0	5	0	0.0	1	20.0	
High Risk	Gwoza	2	6	100	4.5	0	0	6	1	16.7	1	16.7	
4				1 10 10 10 10 10 10 10 10 10 10 10 10 10					10,000	181088111		10000000000000	

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Kala/Balge

Kukawa

Monguno

Marte

Ngala

Borno

# Monitoring Surveillance Performance in North East Zone 2015

as at <b>September 18</b> , 2015: Yobe State												
			as at	Septembe	er 18, 2	2015:	Yobe S	tate				
Security Situation	LGA	AFP	AFP	% Stool	NPAFP			Number AFP with	Number NPENT	NPENT isolation	Number of sabin	Sabin isolation
		Expected	Reported	Adequacy	Rate	WPV	cVDPV	lab Result	isolated	rate	isolation	rate
	Bade	1	26	100	38.2	0	0	22	10	45.5	3	13.6
	Bursari	1	17	100	32.0	0	0	17	0	0.0	1	5.9
	Damaturu	1	23	100	53.7	0	0	20	3	15.0	5	25.0
	Fika	1	16	100	24.0	0	0	15	1	6.7	4	26.7
-	Fune	2	31	100	21.2	0	0	29	2	6.9	2	6.9
	Geidam	1	13	100	17.0	0	0	12	1	8.3	1	8.3
	Jakusko	1	16	100	14.4	0	0	16	2	12.5	3	18.8
Low Risk	Karasuwa	1	18	100	34.6	0	0	16	3	18.8	2	12.5
	Machina	0	15	100	50.0	0	0	15	1	6.7	5	33.3
	Nangere	1	11	100	25.7	0	0	11	1	9.1	2	18.2
	Nguru	1	11	100	15.0	0	0	11	1	9.1	3	27.3
	Potiskum	1	11	100	11.0	0	0	11	3	27.3	4	36.4
	Tarmuwa	0	16	94	42.6	0	0	14	2	14.3	1	7.1
	Yunusari	1	10	100	16.3	0	0	10	0	0.0	3	30.0
	Yusufari	1	17	100	31.5	0	0	16	2	12.5	1	6.3
High Diel	Gujba	1	4	100	6.3	0	0	4	1	25.0	0	0.0
High Risk	Gulani	1	1	100	2.0	0	0	1	0	0.0	0	0.0

2.0

25.6

0

0

0

0

240

100

100

0.0

12.8

0

40

0

33

0.0

16.2

Gulani

Yobe

16

256

# Monitoring Surveillance Performance in North West Zone 2015 as at September 18, 2015: Kano State

								Number	Number	NPENT	Number	Sabin
State	LGA	AFP	AFP	% Stool	NPAFP			with lab	NPENT	isolation	of sabin	isolation
		Expected	Reported	Adequacy	Rate	WPV	CVDPV	Result	isolated	rate	isolation	rate
Kano	Ajingi	1	29	86	34.8	0	0	24	0.0	0.0	1	4.2
	Albasu	1	22	100	24.2	0	0	21	3.0	14.3	1	4.8
	Bagwai	1	30	90	38.5	0	0	16	1.0	6.3	2	12.5
	Bebeji	1	28	86	31.0	О	0	25	4.0	16.0	0	0.0
	Bichi	2	12	75	9.1	0	0	11	0.0	0.0	2	18.2
	Bunkure	1	24	92	29.4	0	0	19	3.0	15.8	2	10.5
	Dala	3	17	94	8.5	0	0	15	2.0	13.3	2	13.3
	Dambatta	1	62	97	62.3	0	0	53	6.0	11.3	5	9.4
	Dawakin Kudu	1	18	89	16.7	0	0	13	3.0	23.1	1	7.7
	Dawakin Tofa	2	14	86	11.8	0	0	11	2.0	18.2	0	0.0
	Doguwa	2	17	76	23.5	0	0	14	0.0	0.0	5	35.7
	Fagge	1	15	87	15.8	О	O	11	2.0	18.2	3	27.3
j	Gabasawa	1	29	93	28.7	0	0	22	5.0	22.7	3	13.6
	Garko	1	24	88	30.9	0	0	18	1.0	5.6	3	16.7
	Garum Mallam	1	33	94	59.2	0	0	29	3.0	10.3	3	10.3
	Gaya	1	19	84	19.8	О	0	16	1.0	6.3	3	18.8
	Gezawa	2	42	90	31.1	0	0	33	6.0	18.2	1	3.0
	Gwale	2	21	90	12.1	0	0	19	2.0	10.5	1	5.3
	Gwarzo	1	29	86	31.8	0	0	24	3.0	12.5	4	16.7
	Kabo	1	10	100	13.6	О	O	9	1.0	11.1	1	11.1
	Kano Municipal	2	11	100	6.3	0	0	9	0.0	0.0	0	0.0
	Karaye	1	13	85	19.2	0	0	9	1.0	11.1	2	22.2
	Kibiya	1	18	83	27.5	О	0	16	3.0	18.8	3	18.8
	Kiru	2	54	87	42.7	О	0	42	6.0	14.3	4	9.5
	Kumbotso	2	17	100	12.0	0	0	14	1.0	7.1	1	7.1
	Kunchi	1	20	100	37.7	0	0	18	2.0	11.1	2	11.1
	Kura	1	22	82	31.8	0	0	20	4.0	20.0	2	10.0
	Madobi	1	25	80	38.3	0	0	18	1.0	5.6	1	5.6
	Makoda	1	18	100	16.9	0	0	16	1.0	6.3	1	6.3
	Minjibir	1	17	82	16.6	0	0	11	1.0	9.1	0	0.0
	Nassarawa	4	25	84	8.8	0	0	20	2.0	10.0	4	20.0
3	Rano	2	18	94	25.9	0	0	15	2.0	13.3	0	0.0
	Rimin Gado	1	15	93	29.9	0	0	13	2.0	15.4	5	38.5
	Rogo	1	30	97	27.5	0	0	26	5.0	19.2	4	15.4
	Shanono	1	15	93	22.3	0	0	10	2.0	20.0	0	0.0
	Sumaila	3	15	100	12.4	0	0	14	5.0	35.7	1	7.1
	Takai	1	24	96	24.8	0	0	21	1.0	4.8	3	14.3
	Tarauni	1	22	82	19.8	0	0	15	1.0	6.7	1	6.7
	Tofa	1	28	75	59.9	0	0	25	0.0	0.0	4	16.0
	Tsanyawa	1	19	95	25.2	0	0	18	1.0	5.6	3	16.7
	Tudun Wada	1	24	88	20.8	0	0	22	6.0	27.3	1	4.5
	Ungongo	2	48	94	26.6	0	0	43	3.0	7.0	6	14.0
	Warawa	2	19	100	30.9	0	0	16	1.0	6.3	2	12.5
	Wudil	1	30	83	33.9	0	0	25	4.0	16.0	4	16.0
	rotal .	63	1042	90	26.1	0	0	859	103	11.9	97	11.6

	Monitoring Surveillance Performance in North West Zone 2015											
	as at September 18, 2015: Kaduna State											
State	LGA	AFP Expected	AFP Reported	% Stool Adequacy	NPAFP Rate	WPV	cVDPV	Number AFP with lab Result	Number NPENT isolated	NPENT isolation rate	Number of sabin isolation	Sabin isolation rate
Kaduna	Birnin Gwari	2	11	100	9.4	0	0	9	3	33.3	1	11.1
	Chikun	2	20	100	11.7	0	0	20	2	10.0	2	10.0
	Giwa	2	41	85	30.7	0	0	39	5	12.8	2	5.1
	Igabi	3	23	96	11.5	0	0	23	3	13.0	2	8.7
	Ikara	1	24	96	26.6	0	0	22	2	9.1	5	22.7
1	Jaba	1	15	87	20.7	0	0	14	3	21.4	1	7.1
	Jema'a	2	15	93	11.6	0	0	15	0	0.0	3	20.0
	Kachia	2	21	100	18.5	0	0	20	2	10.0	4	20.0
	Kaduna North	2	25	88	15.0	0	0	23	3	13.0	1	4.3
	kaduna South	2	47	96	25.1	0	0	46	1	2.2	4	8.7
	Kagarko	1	7	100	6.2	О	0	7	0	0.0	2	28.6
	Kajuru	1	19	84	36.8	0	0	15	4	26.7	2	13.3
	Kaura	1	15	93	14.5	0	0	12	1	8.3	1	8.3
	Kauru	1	19	89	24.0	0	0	18	5	27.8	1	5.6
	Kubau	2	14	100	10.7	0	0	14	2	14.3	3	21.4
	Kudan	1	39	97	60.2	0	0	37	6	16.2	4	10.8
	Lere	2	11	100	7.1	0	0	11	0	0.0	0	0.0
	Makarfi	1	10	100	14.7	0	0	10	2	20.0	1	10.0
	Sabon Gari	2	11	91	8.2	0	0	11	2	18.2	1	9.1
	Sanga	1	18	89	24.4	0	0	16	2	18.8	1	6.3
	Soba	2	20	95	14.6	0	0	20	3	15.0	4	20.0
		30	t contract							1		V

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### Deteriorating access to settlements continue to post serious challenges to the program:

