

*Today's Session on  
Polio Endgame*

*SAGE, 14 April, 2015*

# Outline of the Session

Four Presentations – Each followed by discussion

1. Progress towards wild poliovirus eradication
2. Progress towards elimination of persistent cVDPV2
3. Proposed recommendations for OPV2 withdrawal
4. Progress report on preparedness for OPV2 withdrawal

# For Consideration by SAGE

## Decisions:

- Assessment of cVDPV2 elimination and confirmation of OPV2 withdrawal date in October
- Proposed process for verification of poliovirus containment in facilities

## Information:

- Progress towards wild poliovirus eradication
- Progress report on withdrawal of OPV2 in April 2016

# Oct 2014 SAGE: cVDPV2 Transmission & Timeline for OPV2 Withdrawal

### Tracking Persistent cVDPV2 Outbreaks with the goal of stopping OPV2 use in April 2016

Report date: 22 October 2014

Report date: 22 October 2014				Year / Month																														
Outbreak, year of emergence	Affected Country	Source	State / Province	2013												2014									2015						2016			
				Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.			
Nigeria, 2005-08	Nigeria	AFP	Borno														X																	
			Kano																X	X														
		ENV	Kano																X	X	X	X	X	X										
			Kaduna																		X		X											
			Sokoto	X	X							X	X	X	X		X		X	X	X	X	X	X										
Chad, 2012	Chad	AFP	Batha				X																											
			Borkou-Tibesti					X																										
			Kamen					X																										
			Salamat		X																													
	Cameroon	AFP	Ext. Nord				X	X	X	X																								
	Niger	AFP	Diffa						X																									
	Nigeria	AFP	Adamawa									X																						
			Borno					X				X	X		X	X	X	X	X															
		ENV	Borno								X	X	X	X	X	X	X																	
			Kano			X						X			X																			
Pakistan, 2012	Pakistan	AFP	Balochistan	X					X									X	X	X														
			FATA				X	X	X	X	X	X	X	X		X	X	X																
			Sindh		X			X	X																									
	Afghanistan	ENV	Sindh			X					X																							
		AFP	Kandahar		X																													
Pakistan, 2013 (two emergences)	Pakistan	AFP	FATA									X	X	X					X	X		X												
		ENV	Sindh													X	X			X		X												
Key dates																																		

**X** At least one cVDPV2 reported per given month

# Trigger for OPV2 Withdrawal: Propose change from a date to WG assessments of persistent cVDPV2 elimination

Tracking Persistent cVDPV2 Outbreaks with the goal of stopping OPV2 use in April 2016

Report date: 22 October 2014

Report date: 22 October 2014				Year / Month																																															
Outbreak, year of emergence	Affected Country	Source	State / Province	2013												2014												2015												2016											
				Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.								
Nigeria, 2005-08	Nigeria	AFP	Borno																																																
			Kano																																																
		ENV	Kano																																																
			Kaduna																																																
			Sokoto	X	X								X	X	X	X		X		X	X	X	X	X																											
Chad, 2012	Chad	AFP	Batha				X																																												
			Borkou-Tibesti					X																																											
			Kamen					X																																											
			Salamat		X																																														
	Cameroon	AFP	Ext. Nord				X	X	X	X																																									
	Niger	AFP	Diffa						X																																										
	Nigeria	AFP	Adamawa										X																																						
			Borno					X					X	X		X	X	X	X	X																															
		ENV	Borno									X	X	X	X	X	X	X	X																																
			Kano				X						X				X																																		
Pakistan, 2012	Pakistan	AFP	Balochistan	X					X																																										
			FATA				X		X	X	X	X	X	X	X		X	X	X																																
			Sindh		X			X		X																																									
	Afghanistan	ENV	Sindh				X					X																																							
		AFP	Kandahar				X																																												
Pakistan, 2013 (two emergences)	Pakistan	AFP	FATA										X	X	X						X	X		X																											
			KP																		X																														
		ENV	Sindh																	X	X			X		X																									
Key dates																																																			

***Completing The Endgame***

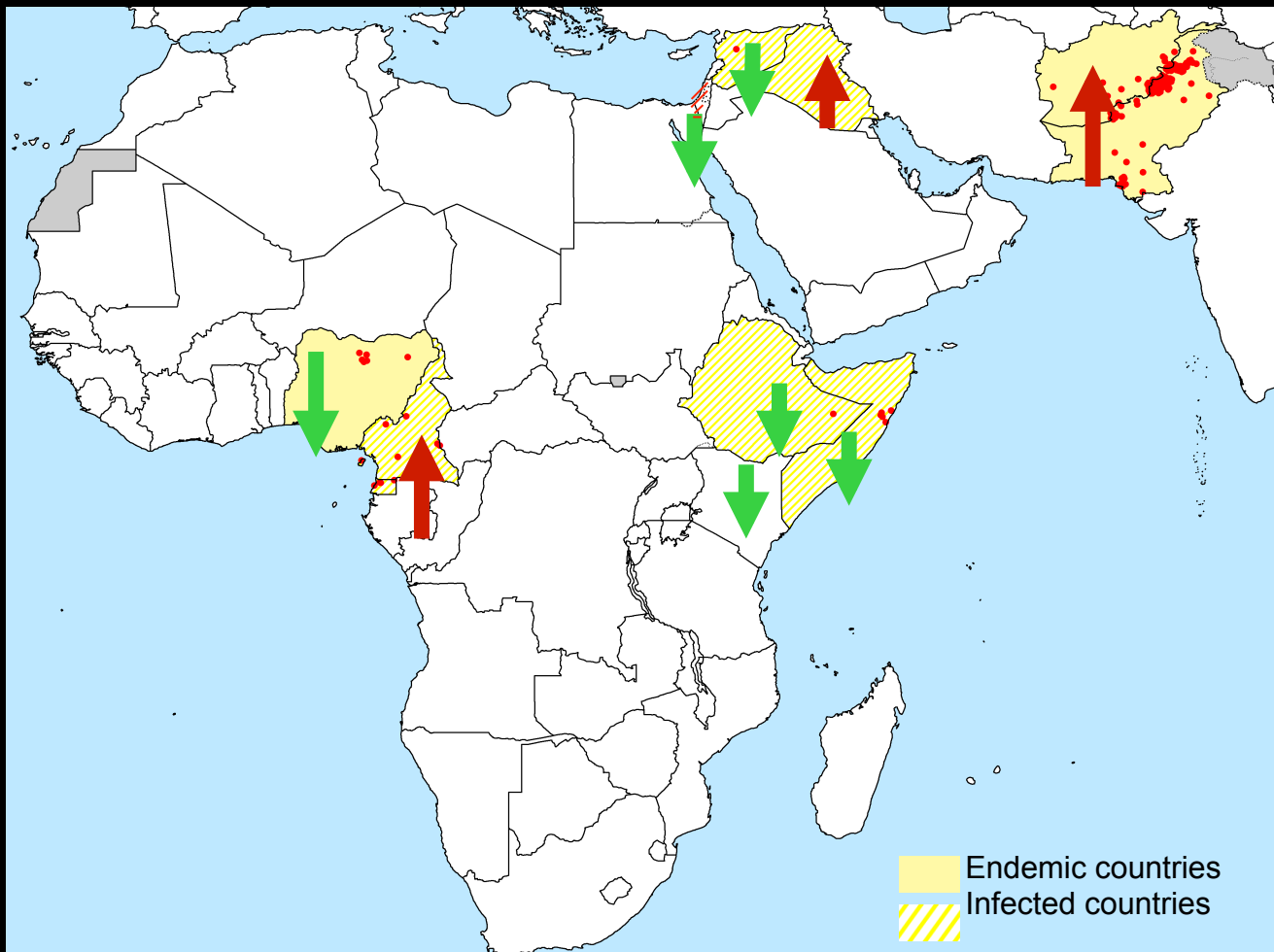
***Global Polio Eradication***

SAGE, April 14, 2015



# Outline

- Progress toward wild poliovirus eradication
- GPEI Priorities in 2015
- Update on polio legacy planning

# Wild Poliovirus type 1 Cases, 2014



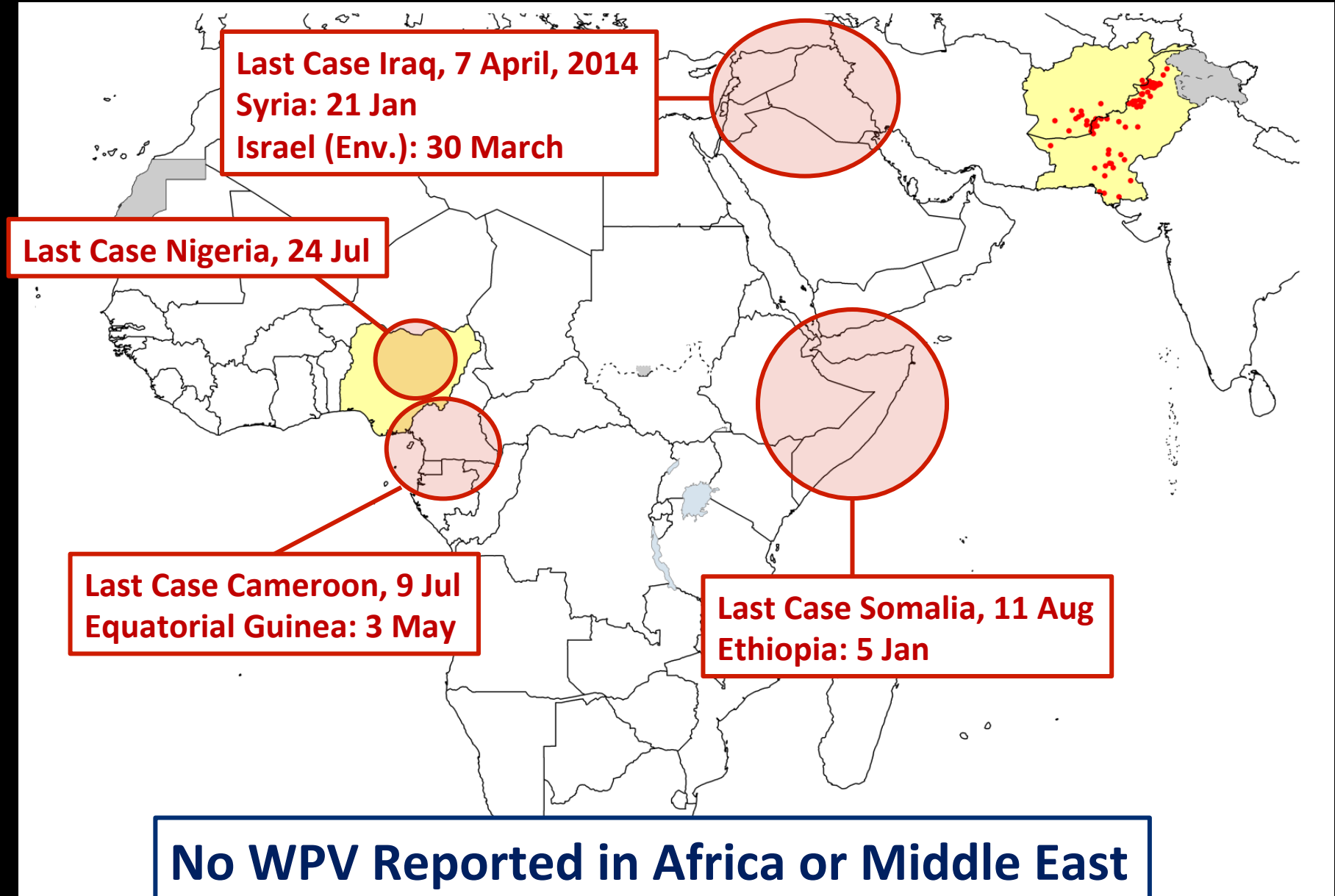
Country	2013 (Full year)	2014*
Pakistan	93	306
Afghanistan	14	28
Nigeria	53	6
Somalia	194	5
Cameroon	4	5
Equatorial Guinea	0	5
Iraq	0	2
Syria	35	1
Ethiopia	9	1
Kenya	14	0
<b>Total</b>	<b>416</b>	<b>359</b>

 Israel = Env. positive isolates (2013 , N=136 ; 2014, N=14 , last 30 Mar 2014)  
 Gaza = Env. positive isolates (2013, N= 7 ; 2014, N=1, Jan )

\*Data as of 7 April 2015

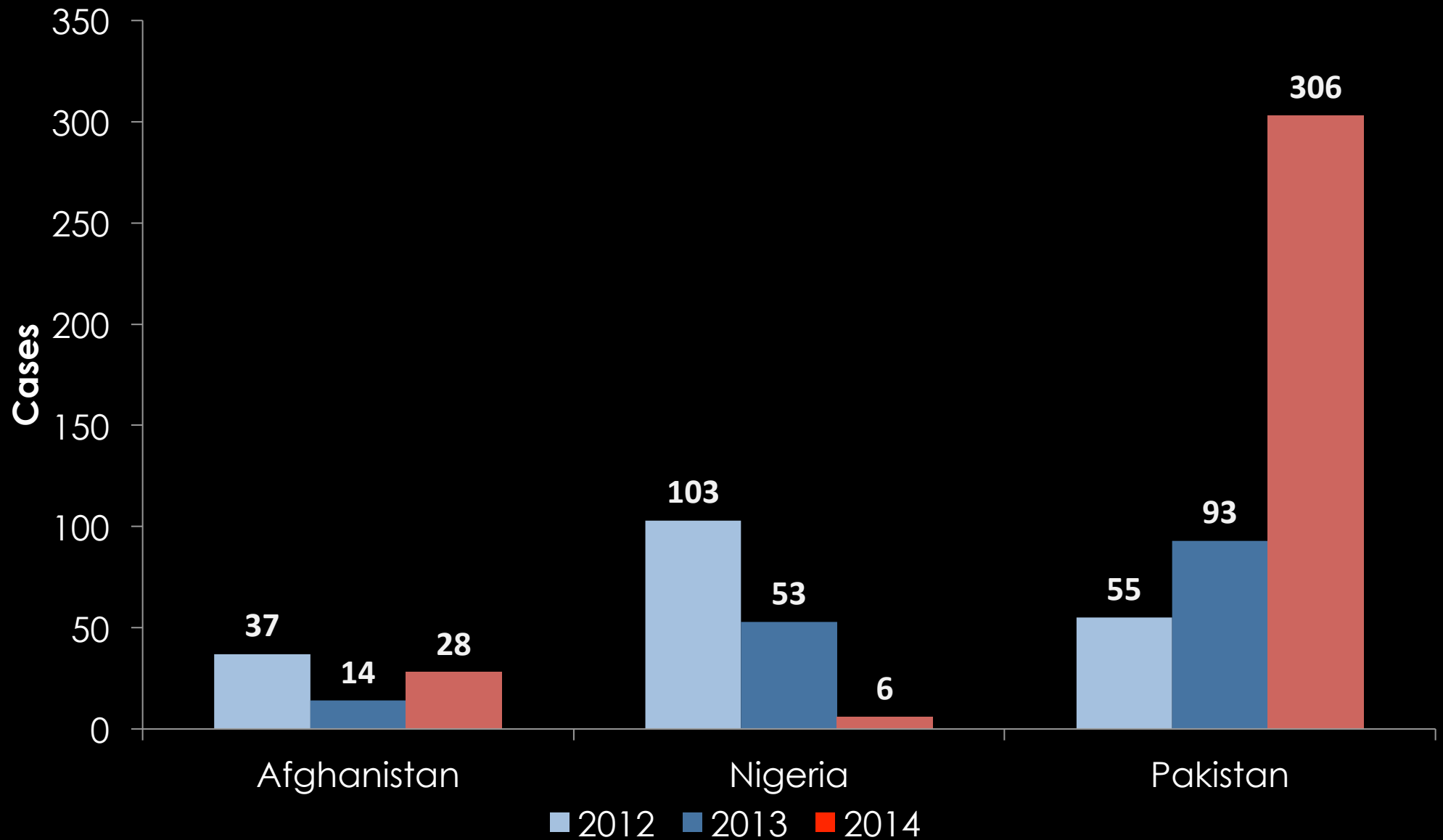


# Wild Poliovirus Cases, Last 6 months



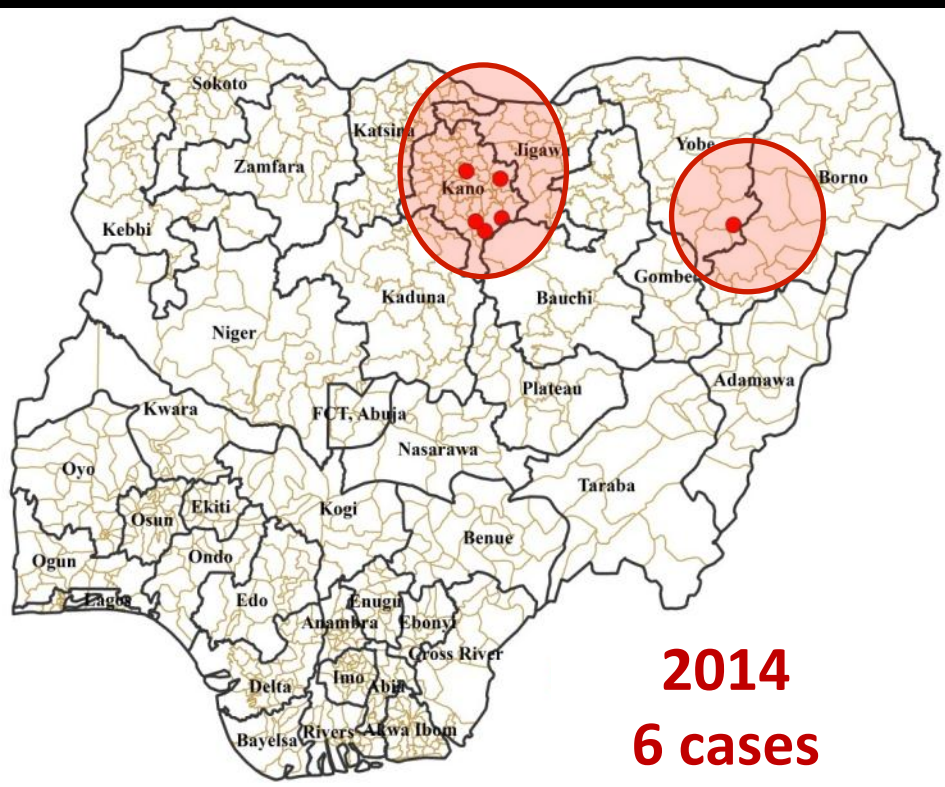
*Progress in Endemic Countries*

# WPV1 Cases, 2012-14\*



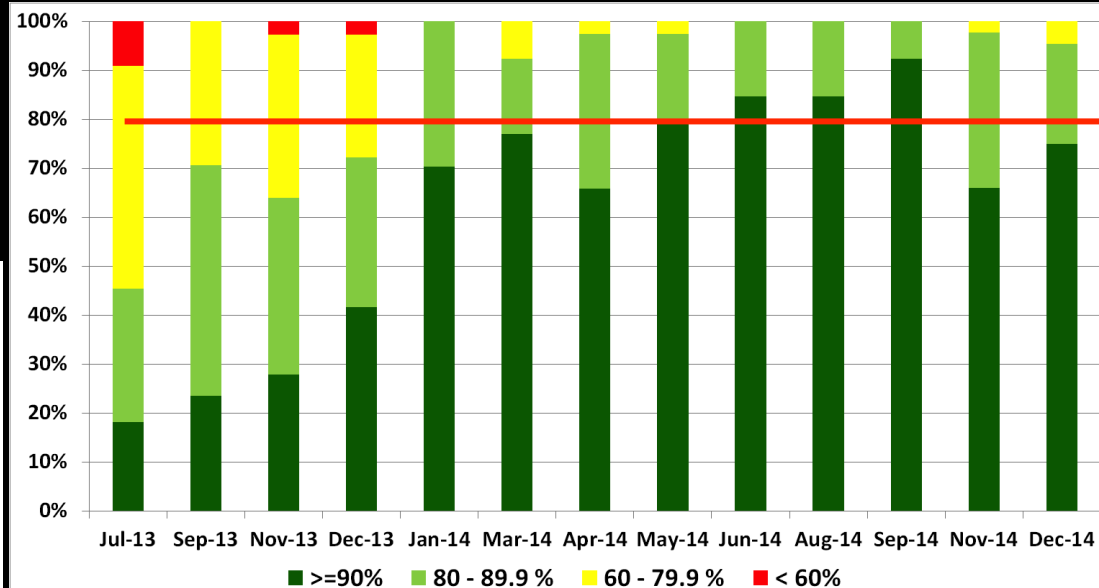
\*Data as of 7 April 2015 (including advance notifications as of this date)

# NIGERIA

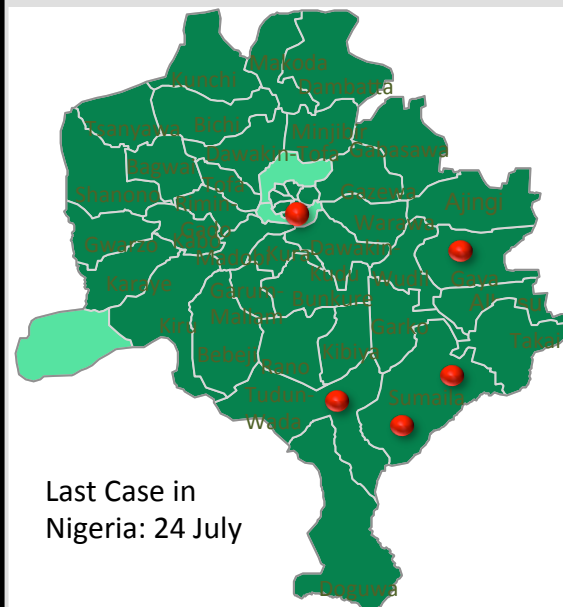


LQAS coverage ■ <60% ■ 60-80% ■ 80-90% ■ ≥90%

## Trends in LQAS results - KANO



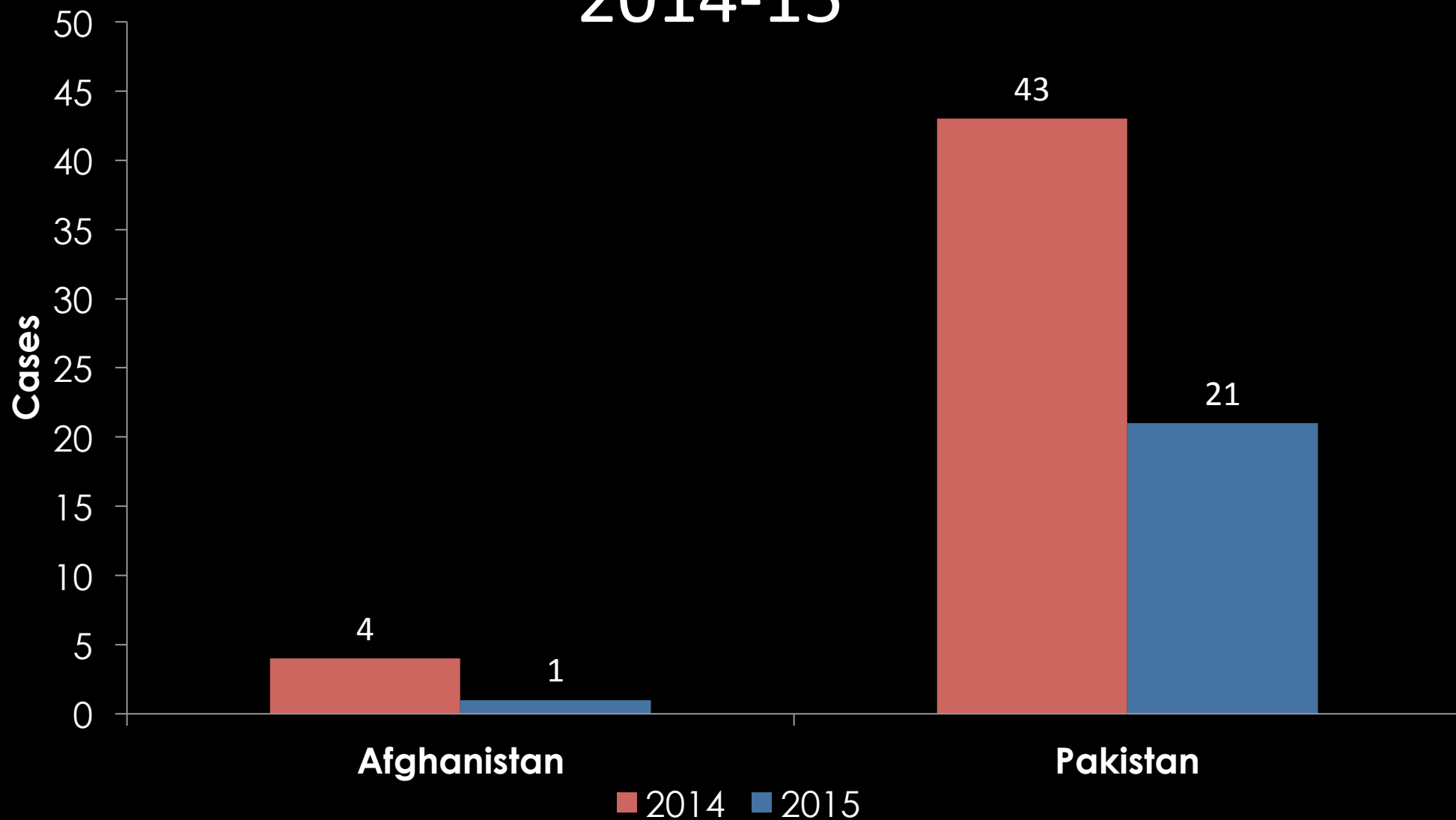
2014: 5 cases; lots in 41 LGAs at ≥90%



# Risks in Nigeria

- Insecurity and conflict in the northeast
- Elections
- Loss of political commitment
- Complacency

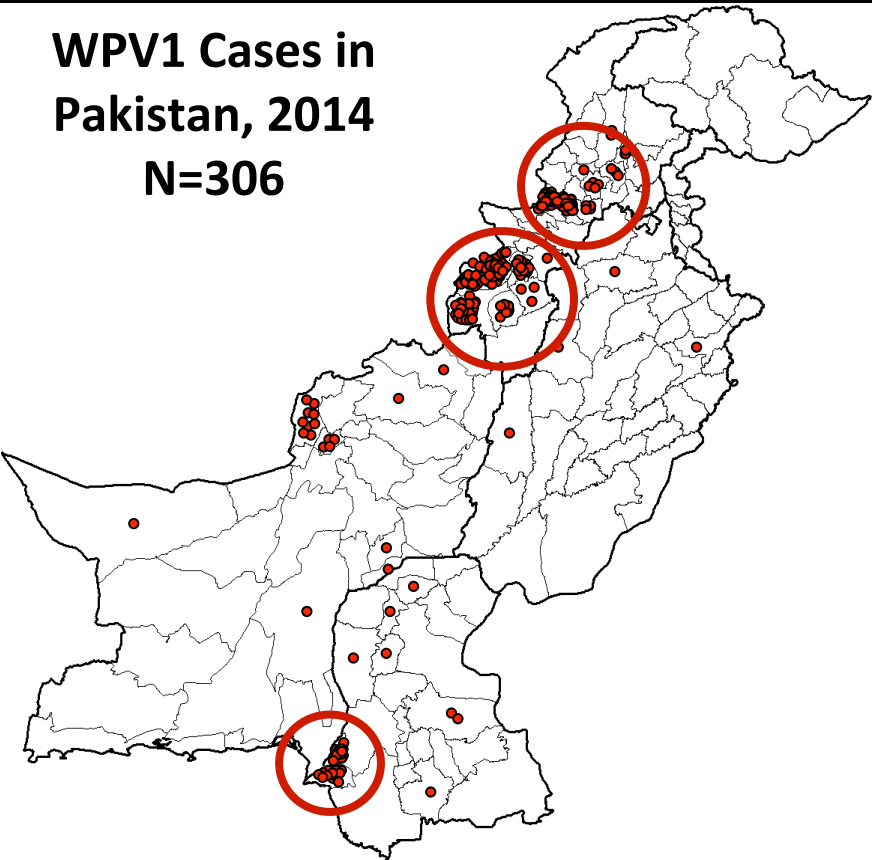
# YTD WPV1 Cases, Afghanistan and Pakistan, 2014-15\*



\*Data as of 7 April 2015 (including advance notifications as of this date)

# Pakistan: Insecurity & Inaccessibility

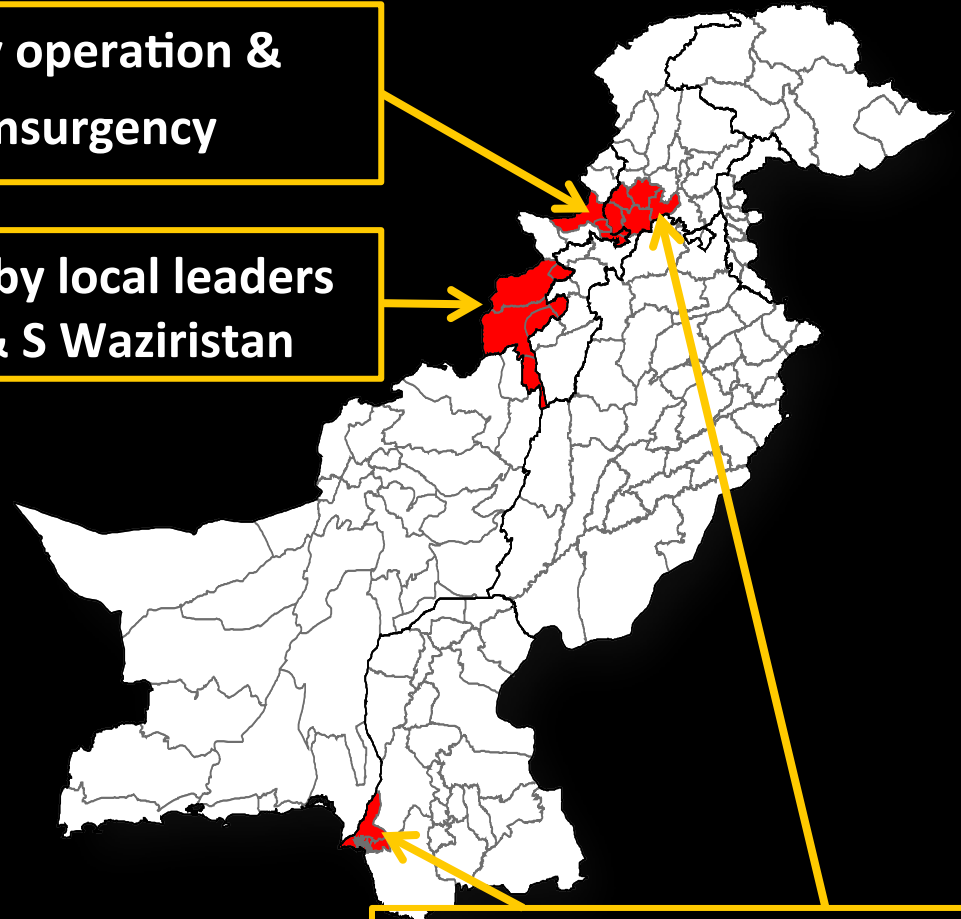
**WPV1 Cases in  
Pakistan, 2014  
N=306**



**Military operation &  
Active insurgency**

**Ban by local leaders  
• N & S Waziristan**

**Threats & fatal attacks on  
health workers  
• Peshawar Valley &**

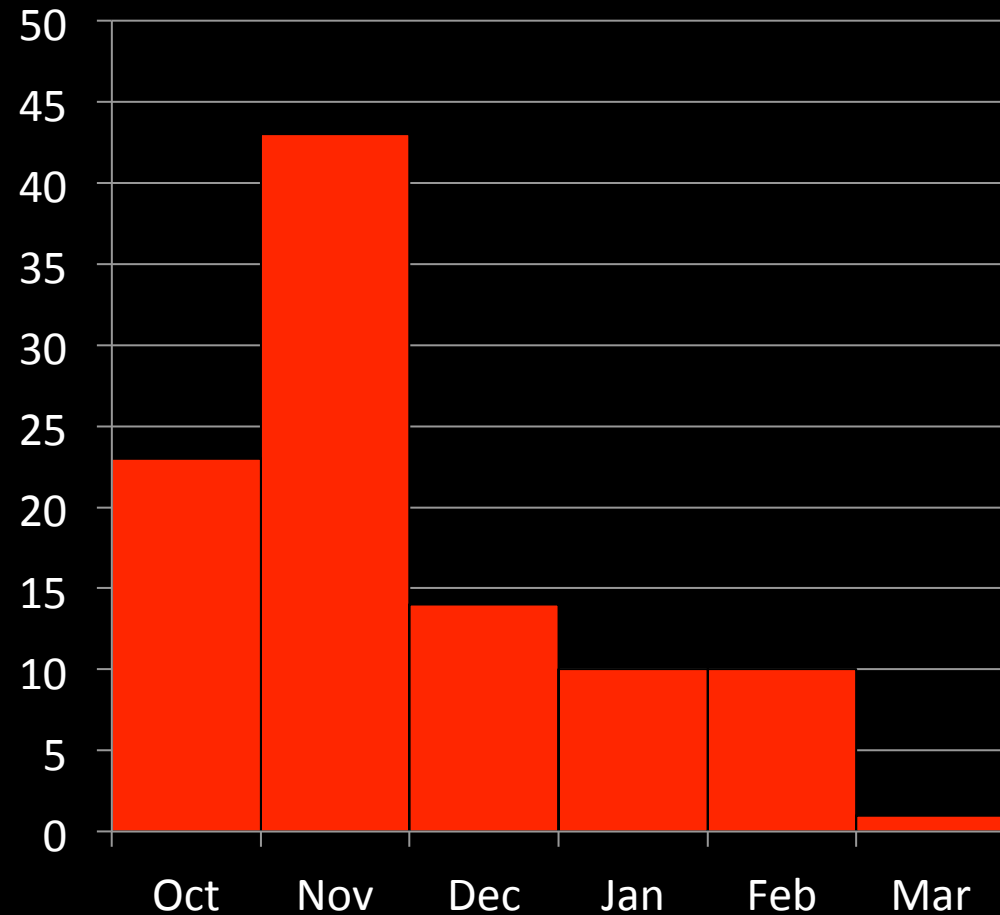
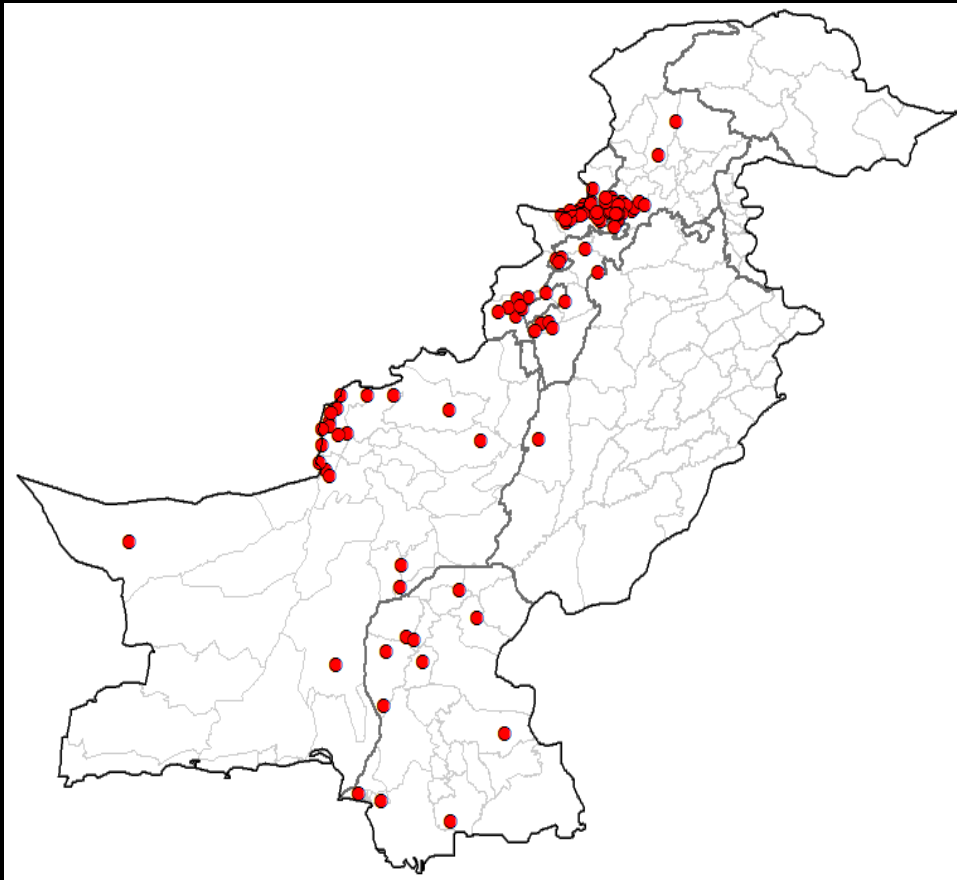


# Pakistan: WPV1 Cases, Last 6 months\*

## n=101

### Improving Accessibility

- N & S Waziristan since June 2014
- Karachi Gadaap in recent weeks
- Quality gaps: Focus on missed children



\*8 Oct 2014 to 7 April 2015



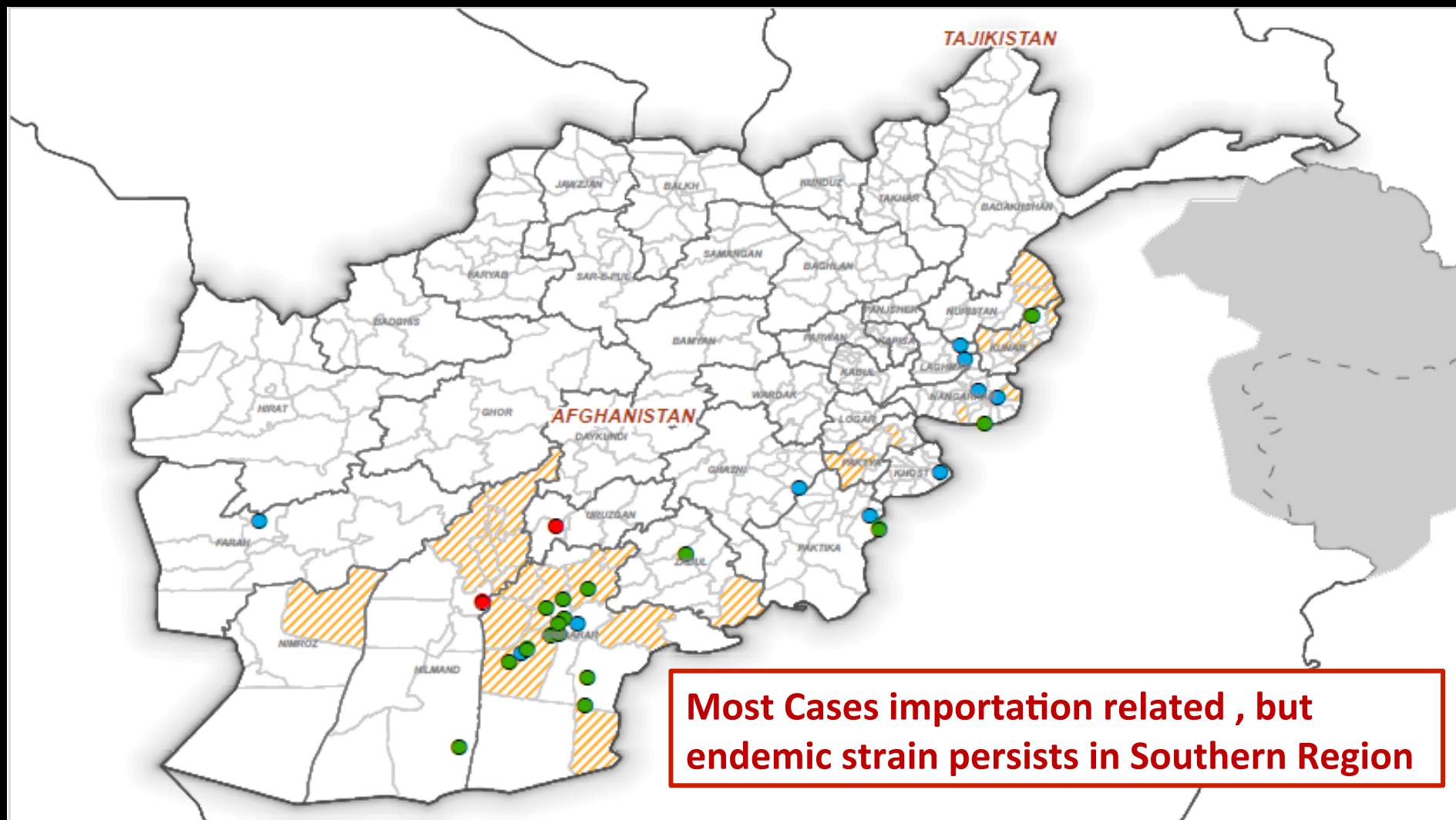
# Getting Pakistan on Track in 2015



## Can the Program

- **Vaccinate everywhere?** - Improving access
- **Monitor everywhere?** - Restoring
- **Enforce accountability?** - EOCs starting to function

# WPV1 Cases Afghanistan, 2014



Map Scale (A3):

Coordinate System: GCS WGS 1984  
Datum: WGS 1984  
Units: Degree



Data Source:

Admin. Boundaries: World Health Organization  
Base Map: GEBCO  
Map Production: Global Polio Eradication Initiative, World Health Organization

- Primary Importation event
- Secondary circulation from Imported virus
- Continuous circulation of endemic viruses

**ACCESSIBILITY\_LEVELS**

**AREAS WITH ACCESSIBILITY ISSUES**

The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement.

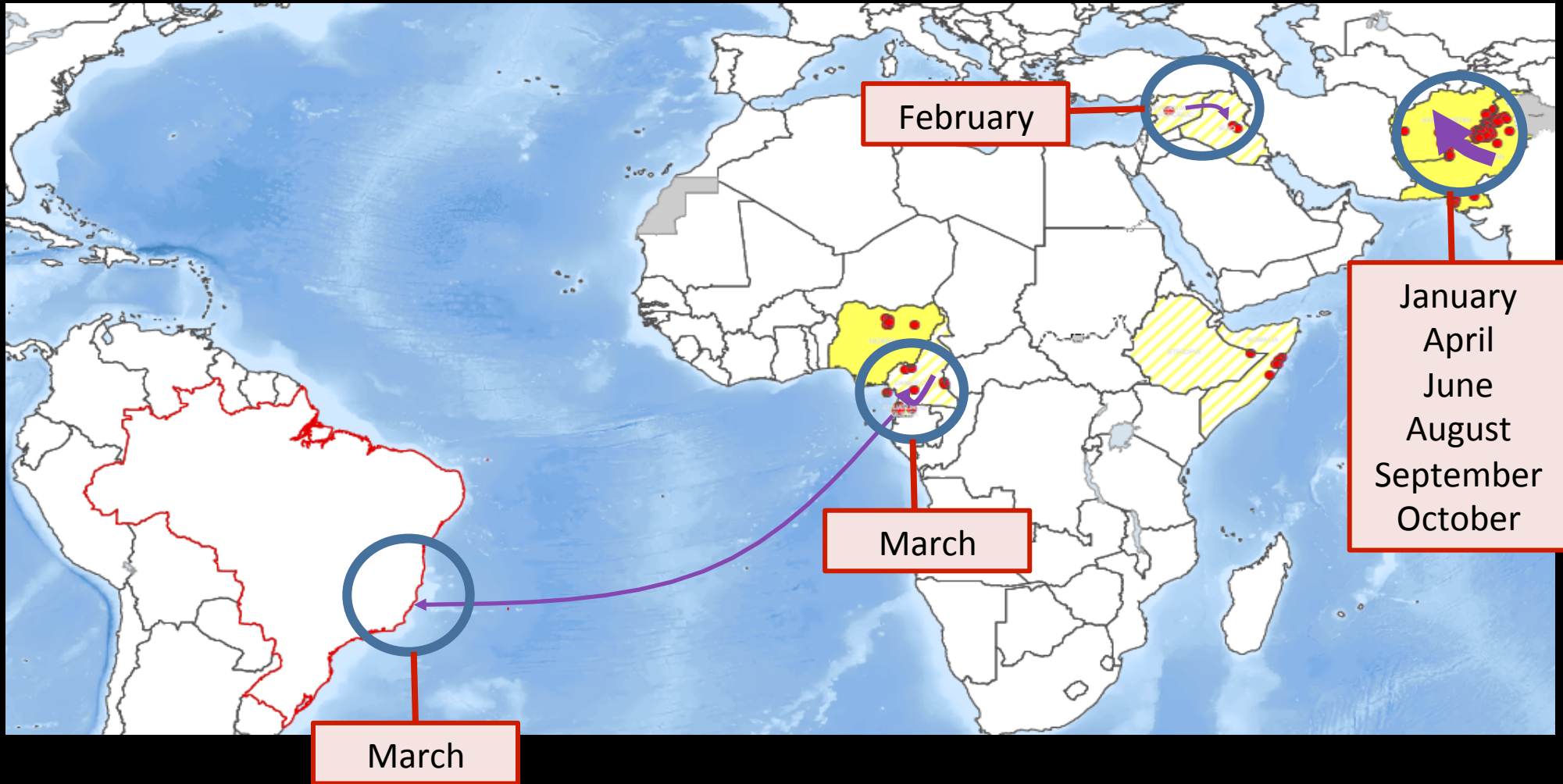
# Ensuring Progress in Afghanistan



- Accelerate Engagement with new leadership
- Maintain dialogue with non-state actors
- Ensure program neutrality
- Reduce missed children in South & East

*Public Health Emergency of  
International Concern*

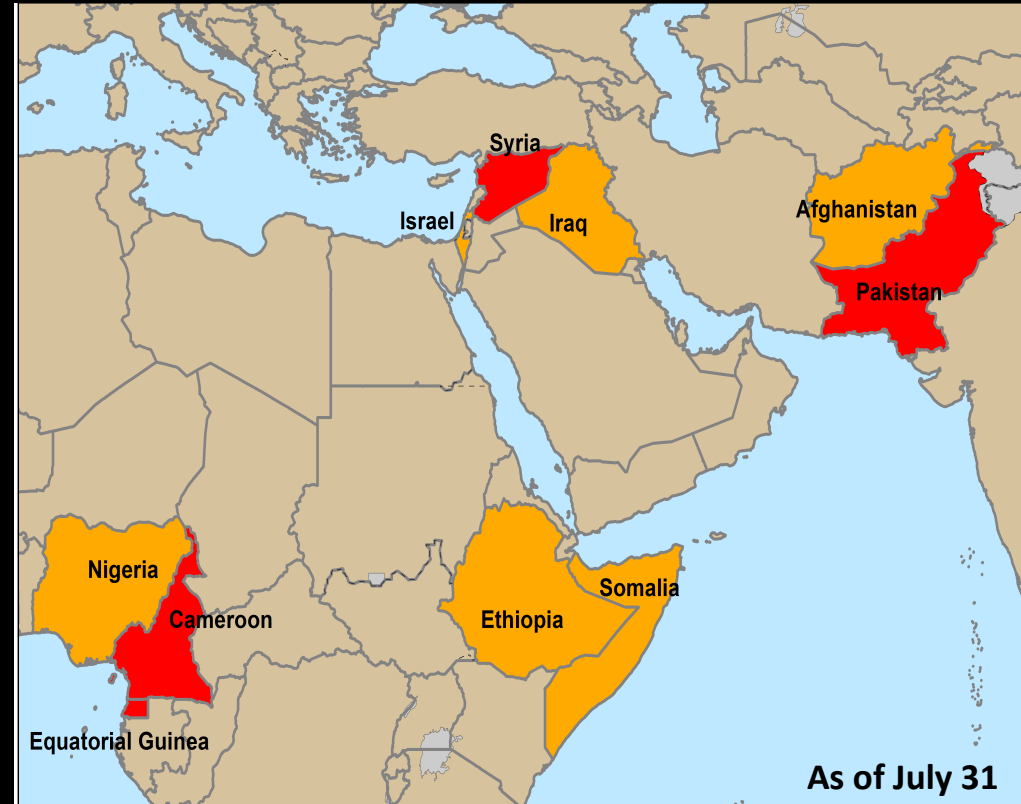
# International exportation of poliovirus in 2014





# Preventing International spread

- Public Health Emergency of International Concern (PHEIC) declared by DG, WHO, on 5 May 2014; extended 31 July, 13 November & 3 March 2015
- New emphasis on regional cooperation and cross-border coordination
- Pakistan the only exporting country, as of 5 April



Yellow box: Countries with circulating wild poliovirus, but NOT currently exporting

Red box: Countries currently exporting wild poliovirus

# Program Priorities in 2015

- Get Pakistan/Afghanistan back on track
- Intensify surveillance for poliovirus
- Reduce risk in Africa & Middle East
- Prevent international spread, build stronger outbreak response capacity
- Ensure preparedness for OPV2 withdrawal
- Launch legacy planning

# Progress in Legacy Planning 2014-2015

- **Development of an ‘Evidence Base’**

- *Outlines Capabilities, Functions, Assets & Contributions of polio eradication efforts to other health priorities*

- **Pilot Planning Studies conducted in DRC & Nepal**

- *To learn how transition planning could work in different settings*

- **Draft Transition Guidelines**

- *To guide countries in the development of legacy transition plans*

- **Draft Global Framework**

- *Outlines a proposed phased approach to legacy planning including process, roles and responsibilities and a suggested timeline*



# Global Framework - Phased Approach

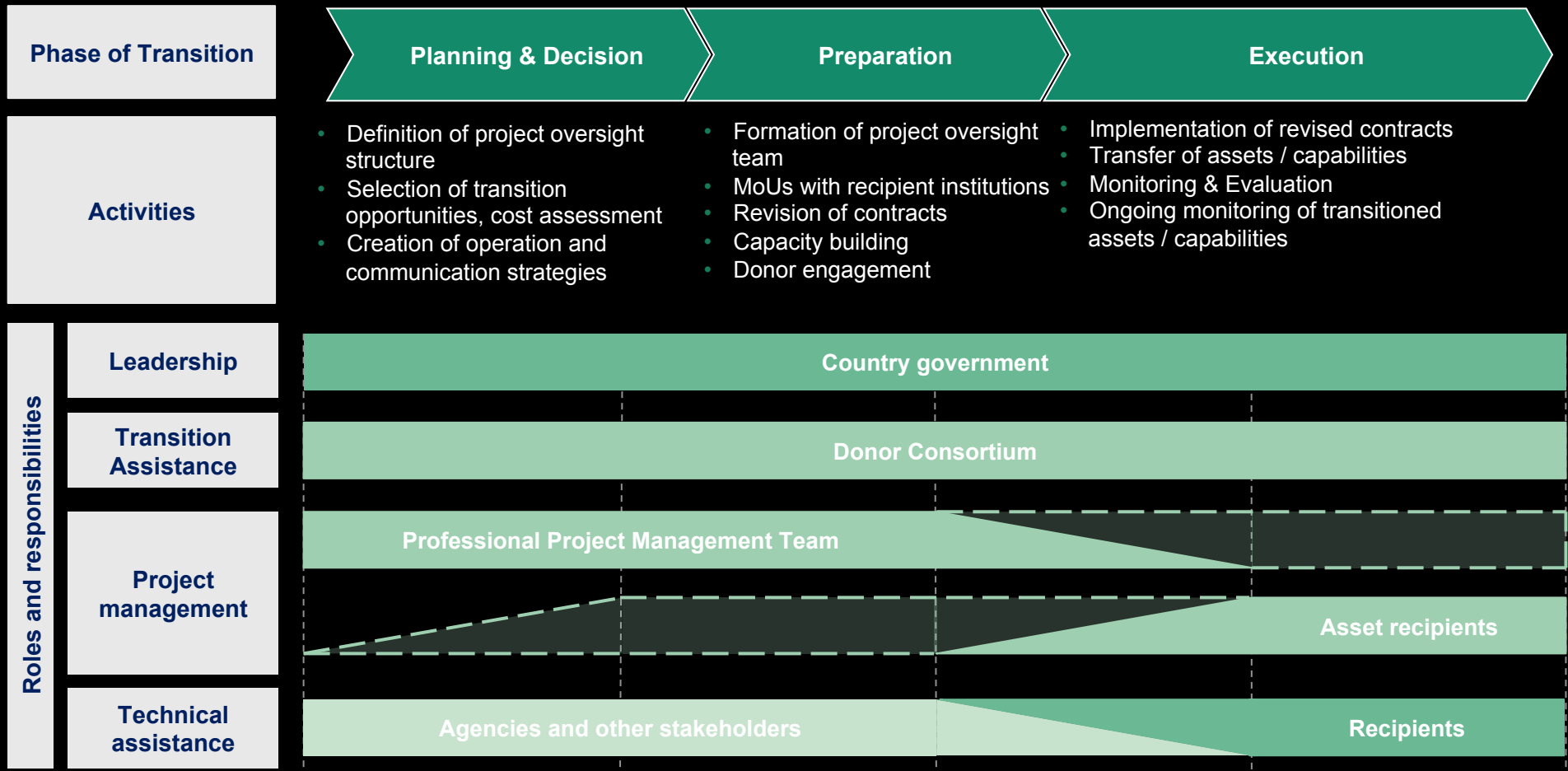
1. Review and endorsement of the Framework through WHO governing bodies;
2. Initiating legacy planning in a phased manner, beginning with a small group of countries;
3. Member States engagement in the process, including discussion at RCMs and engagement with national level stakeholders;
4. Donor engagement with the process, particularly at the country level.
5. A country-convened planning and implementation process supported by country and global level stakeholders, as appropriate. Three stages to this are envisaged:
  - i. Planning & Decision
  - ii. Preparation
  - iii. Execution

# Proposed process, roles and responsibilities

Three key stages for Legacy rollout in each country, ideally completed by 2018

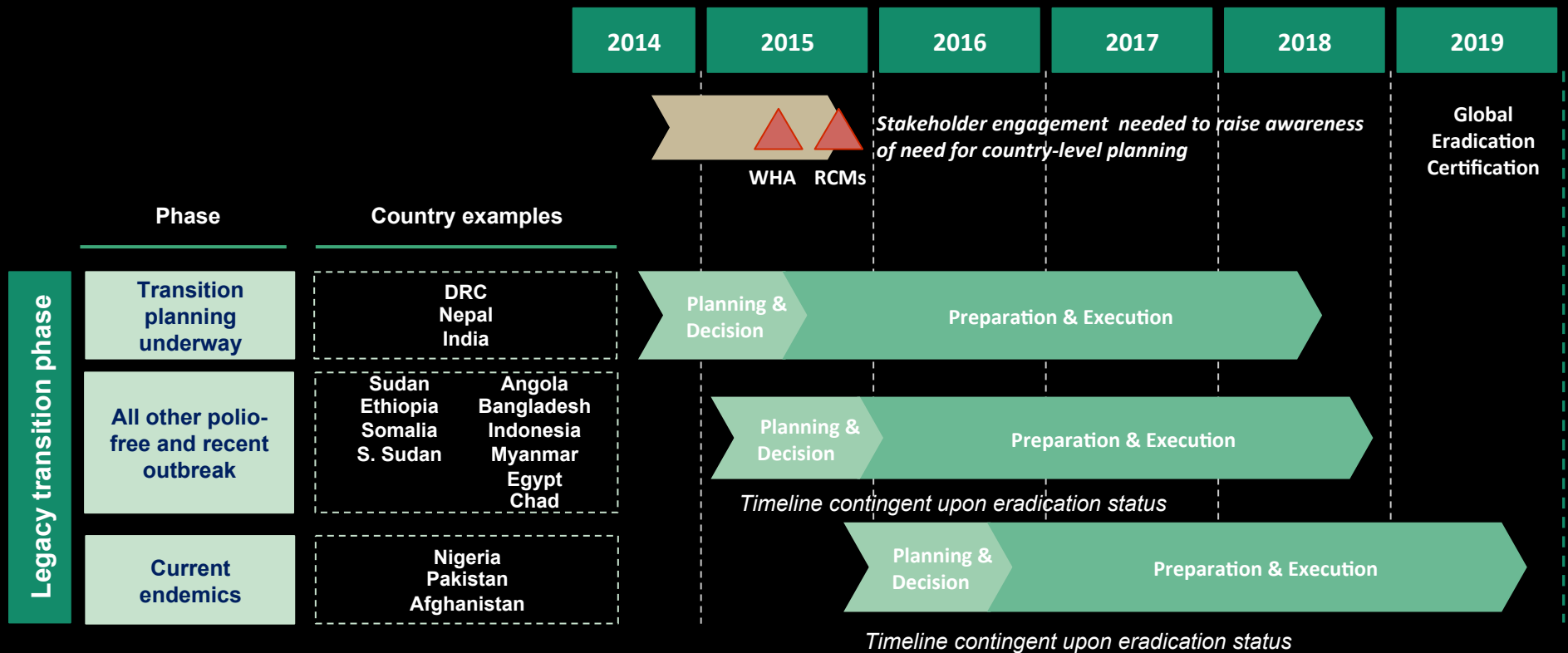
Given asset base and current epidemiology, legacy planning may require more time for completion in certain geographies

Should be a country-level and -led process, bringing together GPEI agency offices, government and key donors/other stakeholders



# Proposed transition timing: Must link with broader organizational timelines for polio resourcing

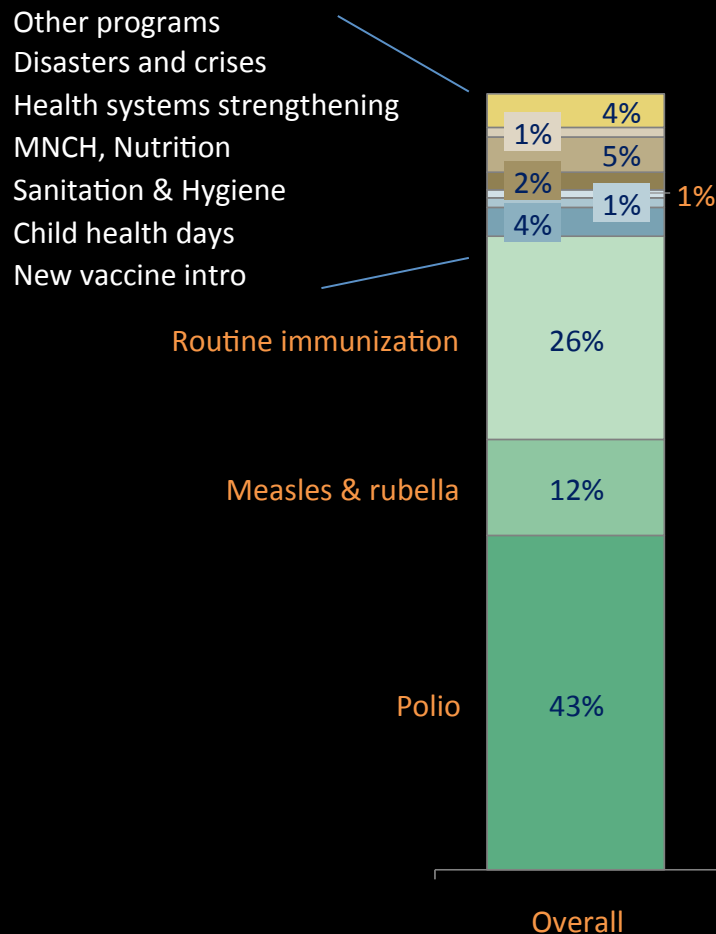
## ABSOLUTE TIMELINE - INDICATIVE



# Evidence Base – Contributions to other priorities

## Supporting Health Systems

### Estimated time allocation of polio workers<sup>1</sup>



### Critical activities and contributions of polio programme (not exhaustive)

#### Routine Immunization

- National planning and local staff training
- Technical assistance
- Monitoring of field activities
- Communication and community engagement

#### Surveillance

- Surveillance for vaccine preventable diseases, e.g. measles, rubella, yellow fever, neo-natal tetanus, JE
- Activities including front-line training, case detection, laboratory support and case reporting

#### Supply Chain

- Country supply chain management, e.g.
  - Vaccine procurement
  - Cold chain maintenance

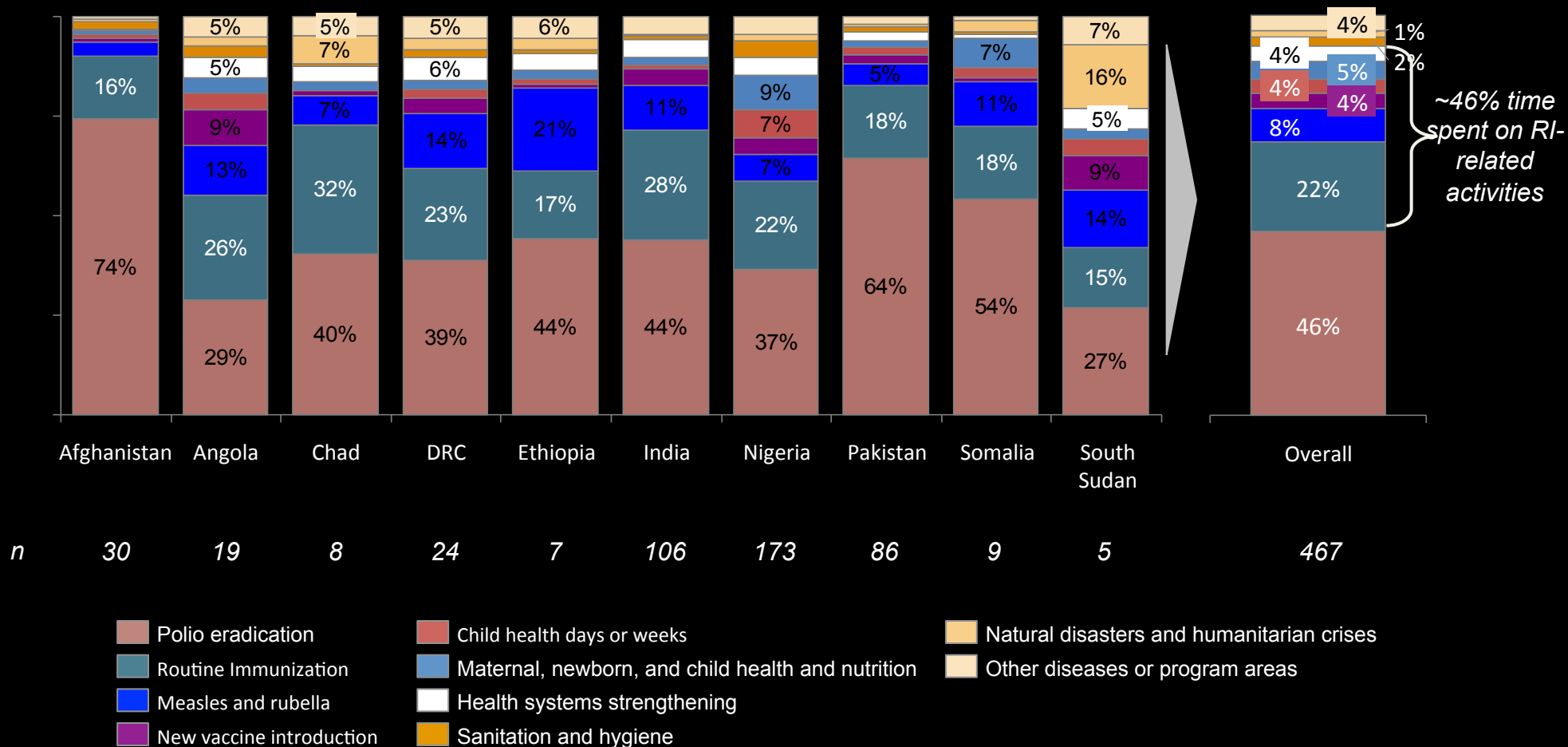
#### Resources & Capacity

- Polio funds provide critical support to national and local WHO / UNICEF offices

1. Data based on survey of staff in DRC, Nepal, India, Somalia, and Ethiopia. Source: Polio Legacy Survey

# Polio country personnel time at ~22% for RI and ~46% for RI+related<sup>1</sup> activities in RI focus countries

Estimated time allocation of polio personnel by country



1: RI-related activities are: RI, M&R, NVI, CHD, MNCH+N, HSS

Source: RI IMG Polio Survey; Polio Legacy Survey

# Legacy Planning Priorities 2015

- Establish oversight mechanism to monitor progress
- Support country and regional transition planning
  - Decide on appropriate structures to support countries
  - Support the process in priority countries & regions
  - Ensure process links with existing national/regional plans
- Initiate/Continue Institutional Resource Planning
  - For the three major phases of the initiative
  - Process underway (template for planning developed)
- Finalize Global Framework and supportive documents
  - Framework to be finalized soon by GPEI
  - Toolkit under development with supportive materials

# Summary – 2015 a defining year

- Unprecedented progress in Africa, risks remain
- Pakistan: getting back on track, still an international risk
- Strategic Priorities: Surveillance, risk reduction, response capacity
- Preparedness for OPV2 withdrawal
- Legacy: Roll out guidance & tools, support planning
- Financial & political support essential for the Endgame

# THANK YOU!



World Health  
Organization



unicef



BILL & MELINDA  
GATES *foundation*