

# POLIO | GLOBAL ERADICATION INITIATIVE

## Global Update (as of 18 June 2017)

Michel Zaffran, Director Polio Eradication

Polio Partners Group Meeting , 26 June 2017, Geneva



BILL & MELINDA  
GATES *foundation*



# Polio Eradication and Endgame Strategy

- 1. Poliovirus detection & interruption**
2. OPV2 withdrawal, IPV introduction, immunization system strengthening
3. Containment & Global Certification
4. Legacy/Transition Planning



# Wild Poliovirus & cVDPV Cases<sup>1</sup>

**Public Health Emergency  
of International Concern**  
declared under the International  
Health Regulations in May 2014  
Reiterated on 24 April 2017

- Wild poliovirus type 1
- cVDPV type 2<sup>2</sup>
- Endemic country

<sup>1</sup>Excludes viruses detected from environmental surveillance

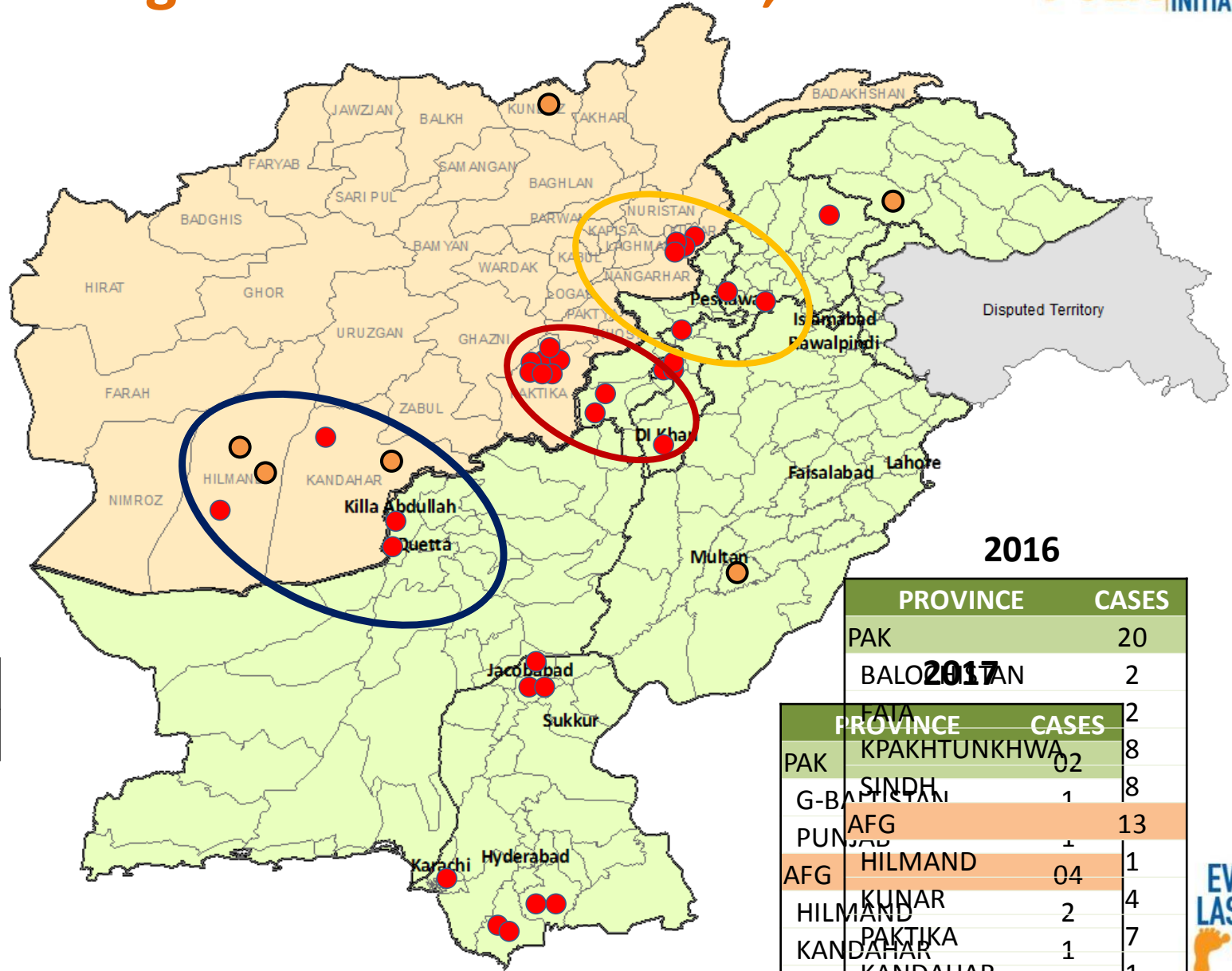
<sup>3</sup>Onset of paralysis 21 December 2016 – 20 June 2017

Country	Onset of most recent WPV1 case	Number of WPV1 cases		Number of WPV infected districts		cVDPV current 6 months <sup>2</sup>
		Current <sup>4</sup>	Same period last year <sup>4</sup>	Current <sup>4</sup>	Same period last year <sup>4</sup>	Number of cases
DRC <sup>2</sup>	NA	0	0	0	0	4
<b>AFR</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>
Pakistan	13-Feb-17	3	13	3	8	0
Afghanistan	16-Apr-17	4	6	4	3	0
Syria <sup>2</sup>	NA	0	0	0	0	17
<b>EMR</b>	<b>16-Apr-17</b>	<b>7</b>	<b>19</b>	<b>7</b>	<b>11</b>	<b>17</b>
<b>Global</b>	<b>16-Apr-17</b>	<b>7</b>	<b>19</b>	<b>7</b>	<b>11</b>	<b>21</b>

<sup>2</sup>Not shown in table: 1 cVDPV2 contact of a cVDPV2 case in Maniema, DRC, specimen 02 May 17; 5 cVDPV2 contacts of cVDPV2 cases in Deir-el-Zour, Syria.

<sup>4</sup>Current rolling 6 months: 21 December 2016 – 20 June 2017  
Same period previous year: 21 December 2015 – 20 June 2016

# Pakistan-Afghanistan: WPV cases, 2016-17

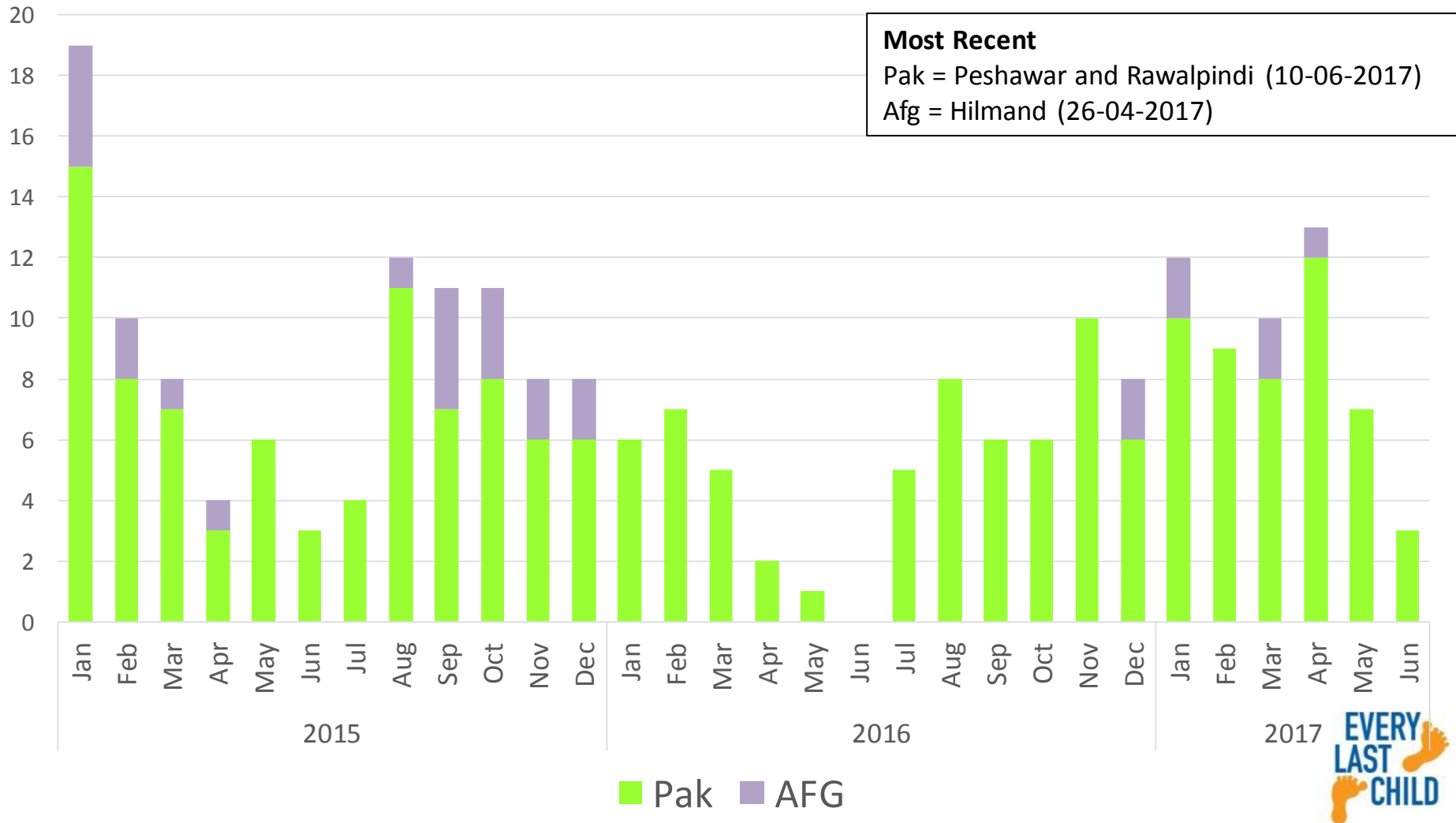


- 2016
- 2017

2016	
PROVINCE	CASES
PAK	20
BALUCHISTAN	2
FATA	2
ISLAMABAD CAPITAL TERRITORY	8
KPK	02
SINDH	8
GILGIT-BALTISTAN	1
AFG	13
PUNJAB	1
AFG	04
HILMAND	1
KUNAR	4
HILMAND	2
PAKTIKA	7
KANDAHAR	1
KUNDUZ	1



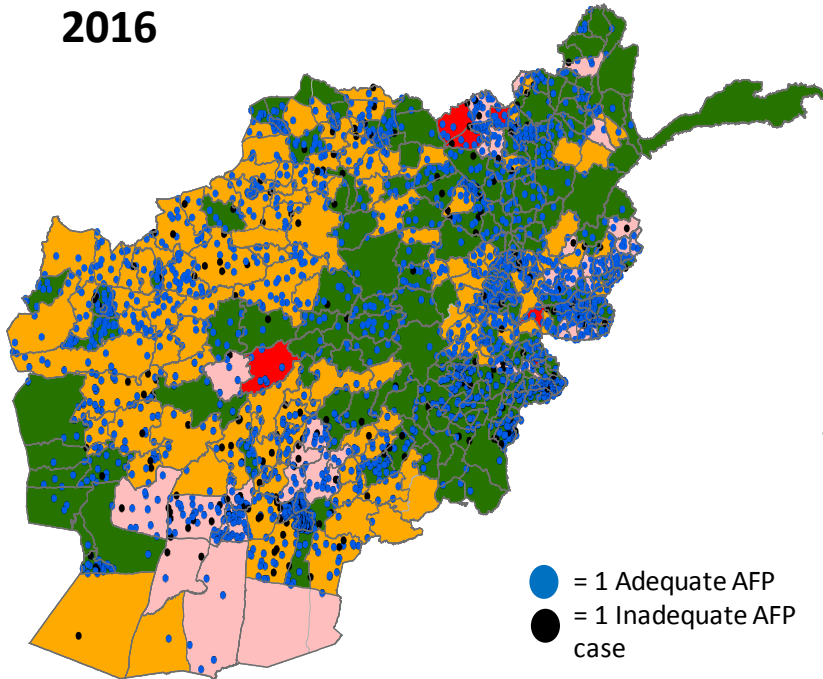
# WPV isolates, Env surveillance, 2015-2017



# Sensitive AFP surveillance

## Including in access compromised areas

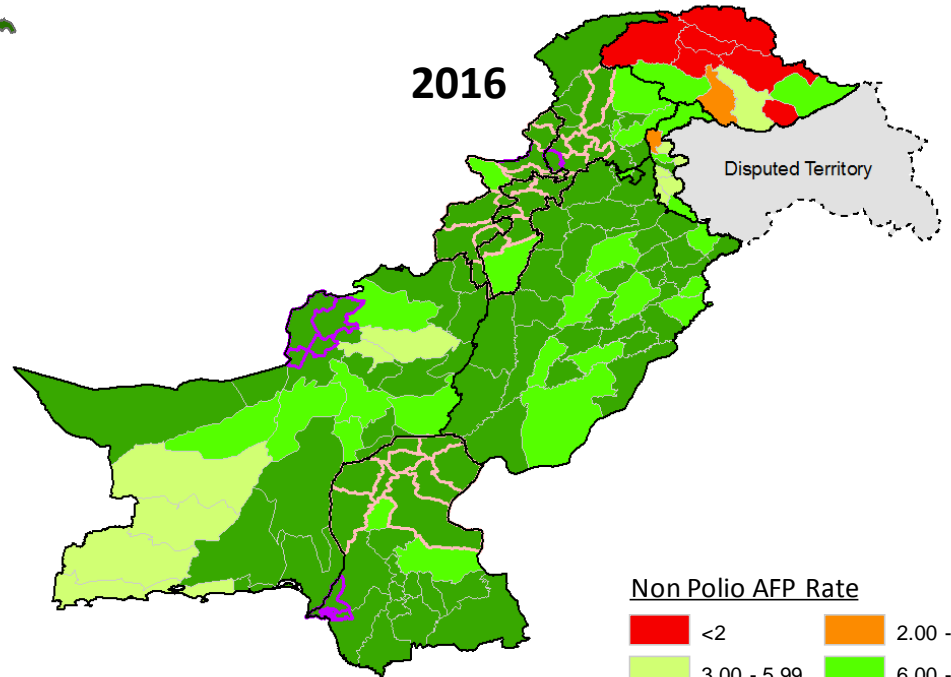
2016



● = 1 Adequate AFP  
● = 1 Inadequate AFP case

■ Not accessible   
 ■ Partially accessible   
 ■ Implemented with limitations   
 ■ Implemented with no limitation

2016



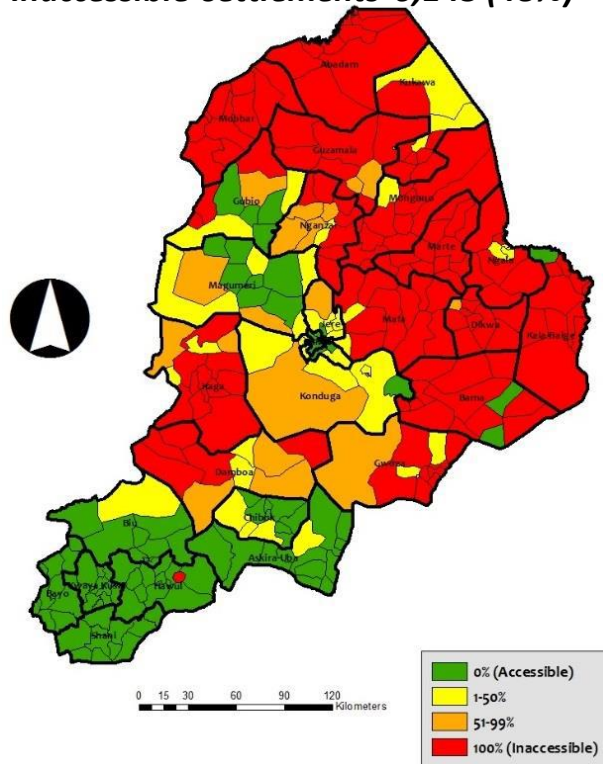
Non Polio AFP Rate

■ <2    ■ 2.00 - 2.99  
■ 3.00 - 5.99    ■ 6.00 - 10.00  
■ >10

# Inaccessibility affecting surveillance and vaccination activities, Borno State, Nigeria

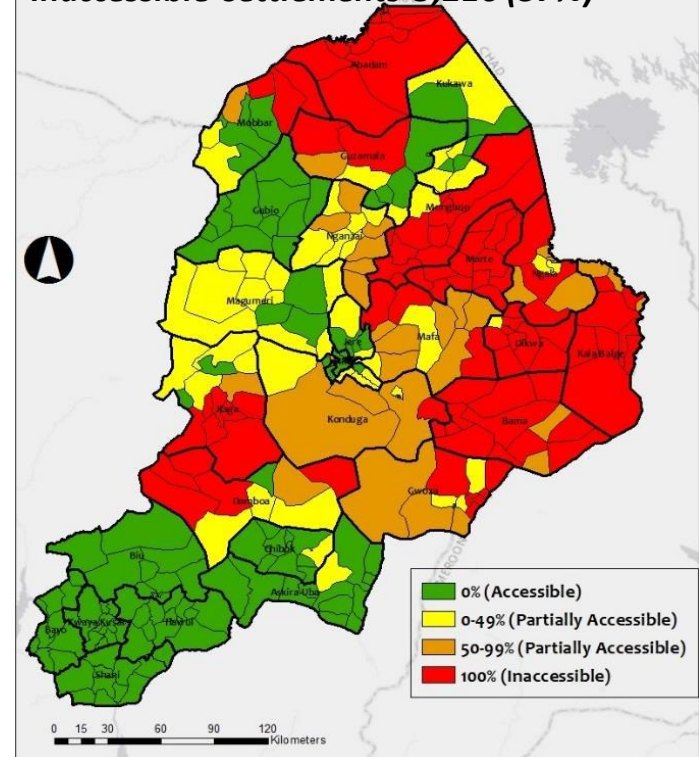
Borno State Accessibility Map : Aug-16

*Inaccessible settlements 6,145 (48%)*



Borno State Accessibility Map: mOPV2 Round: Mar-17

*Inaccessible settlements 5,216 (37%)*



- Though **9 months have passed**, without WPV cases uncertainty that transmission has been stopped
- **Using satellite imagery** to determine if settlements are inhabited or destroyed
- **Using military** for innovations such as reaching every settlement and reaching inaccessible children

# Polio Eradication and Endgame Strategy

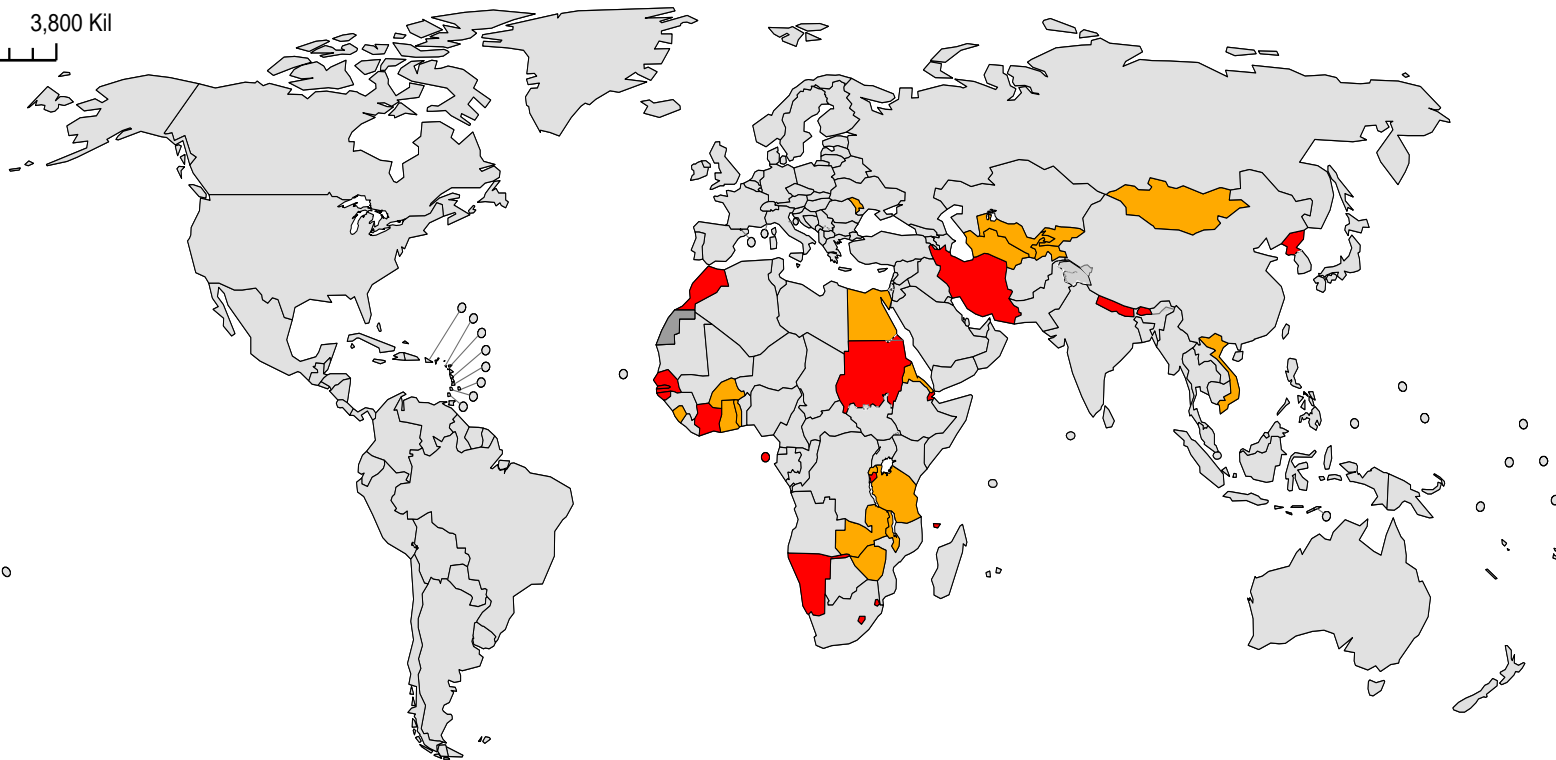
1. Poliovirus detection & interruption
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# Countries with IPV supply disruptions

0 950 1,900 3,800 Kil



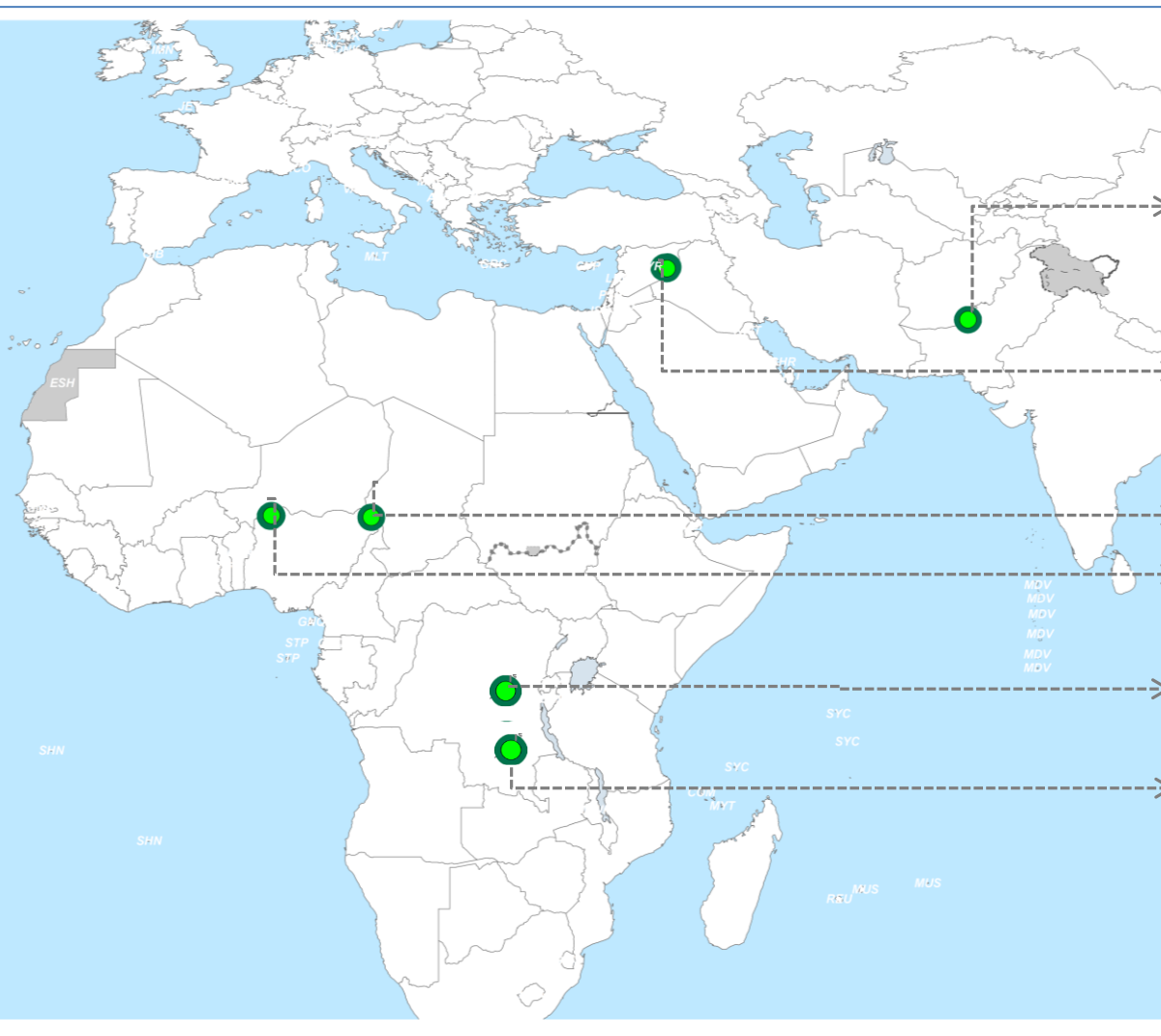
-  Countries with delayed introduction (18 countries or 9.2%)
-  Countries with delayed resupply (17 countries or 8.8%)
-  Countries already introduced

Data source: WHO/IVB Database, as of 11 April 2017  
Map production Immunization Vaccines and Biologicals (IVB),  
World Health Organization

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 lines on maps represent approximate border lines for which there may not yet be full agreement. ©WHO 2016. All rights reserved.



# Post switch\* cVDPV2 outbreaks



Total of **6** post-switch cVDPV type2 outbreaks in **4** countries

Province	District	Surv. type	Date (collection /onset)	NT change
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## Pakistan (1)

Balochistan	QUETTA	AFP	17-Dec-2016	14
Balochistan	QUETTA	ENV	20-Dec-2016	18
Balochistan	QUETTA	ENV	20-Oct-2016	9
Balochistan	QUETTA	ENV	28-Dec-2016	15
Balochistan	QUETTA	ENV	28-Nov-2016	15

## Syria (1)


DEIR_AL_ZOUR	MAYADEEN	AFP	05-Mar-2017	22
DEIR_AL_ZOUR	MAYADEEN	Contact	25-Apr-2017	27
DEIR_AL_ZOUR	MAYADEEN	AFP	06-May-2017	27


## Nigeria (2)

BORNO	MONGUNO	Contact	26-Aug-2016	37
SOKOTO	BODINGA	Contact	24-Nov-2016	17
SOKOTO	BODINGA	AFP	28-Oct-2016	12

## DRC (2)

MANIEMA	KINDU	Contact	02-May-2017	9
MANIEMA	KUNDA	AFP	18-Apr-2017	7
MANIEMA	KINDU	AFP	26-Mar-2017	7
HAUT LOMAMI	BUTUMBA	AFP	08-Mar-2017	16
HAUT LOMAMI	MALEMBA-NKULU	AFP	20-Feb-2017	15

 cVDPV2 outbreak (total 6 outbreaks)

 Post-switch SIA containing mOPV2 vaccine was conducted or is planned.

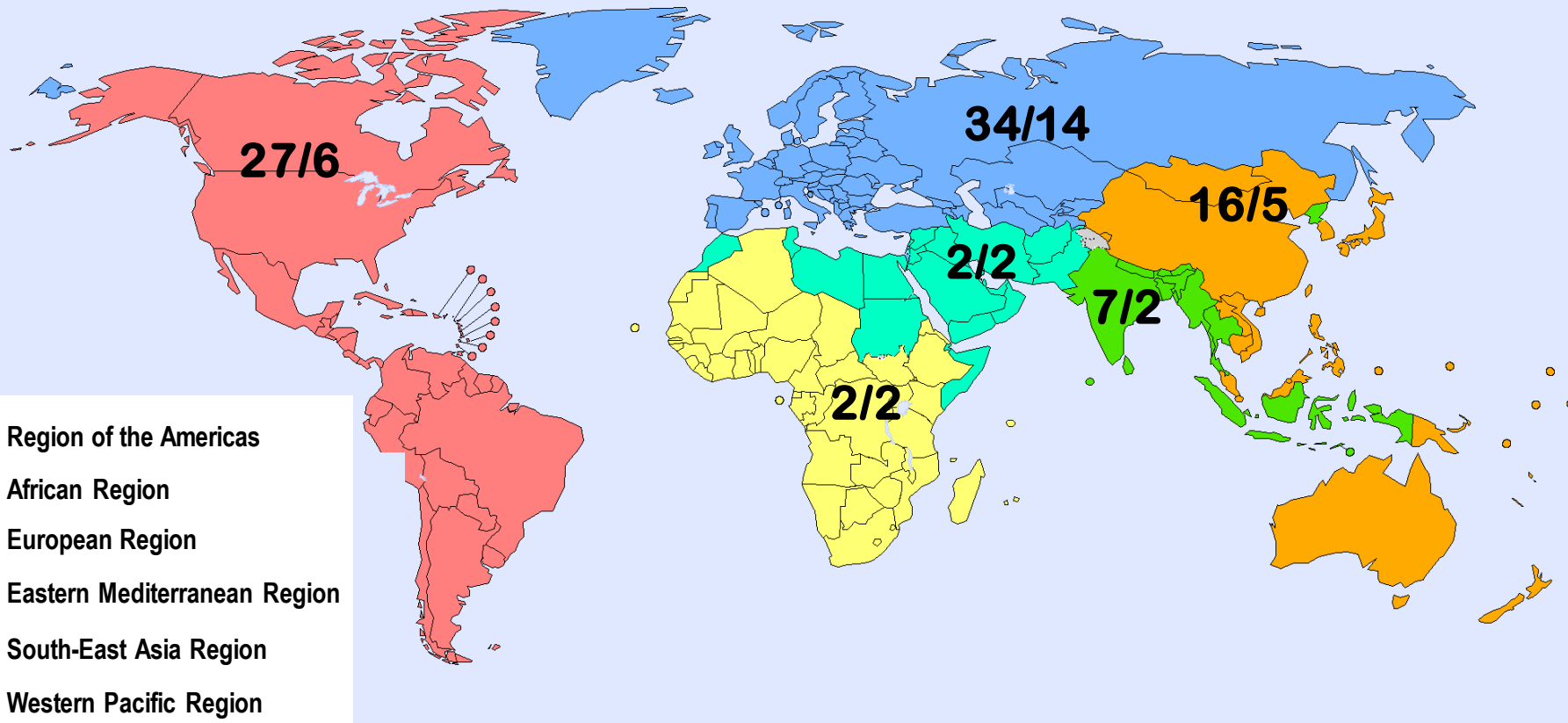
\*Switch date: 1<sup>st</sup> May 2016

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# 30 Countries have designated 86 facilities which plan to retain Poliovirus Type 2\*



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\*includes WPV2/cVDPV2 and OPV2/Sabin2 materials

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4. **Transition Planning**



# Transition : High-Level Attention

- **Serious programmatic impact of GPEI ramp-down**
  - Necessity to maintain essential functions critical to sustain a polio free world and identify necessary financial resources
  - Existing GPEI funding may be critical to other health programmes which will be impacted by ramp down
- **WHO: Polio Transition is among 7 principal organizational Risks**
  - Team established within DGO to coordinate organization wide efforts
  - WHA decision requesting strategic plan by 2018 EB and WHA
- **Many Streams of work**
  - Country level transition planning
  - Independent Monitoring and High Level awareness raising (TIMB)
  - Post Certification Strategy Development
  - Agencies internal transition planning (WHO, UNICEF, CDC)



# Priorities - Next 6 months

## 1. Interrupting WPV and cVDPV Transmission

- Pakistan, Afghanistan, Nigeria (Lake Chad), DRC, Syria

## 2. High Quality surveillance

- Endemic countries
- Access compromised areas e.g.: CAR, Syria, Somalia, South Sudan, Iraq, Yemen ...

## 3. Financial management

- Successful pledging moment
- Stretch existing budget through 2020

## 4. Also...

- Accelerate efforts for containment
- Engage broader constituency in Transition



# Thank you

