



**World Health  
Organization**

**Weekly  
AFP Surveillance Update  
Pakistan**

**Week 30** (*Ended on 29<sup>th</sup> July, 2018*)

***National Surveillance Cell***

World Health Organization Country Office,  
Chak Shahzad, Park Road,  
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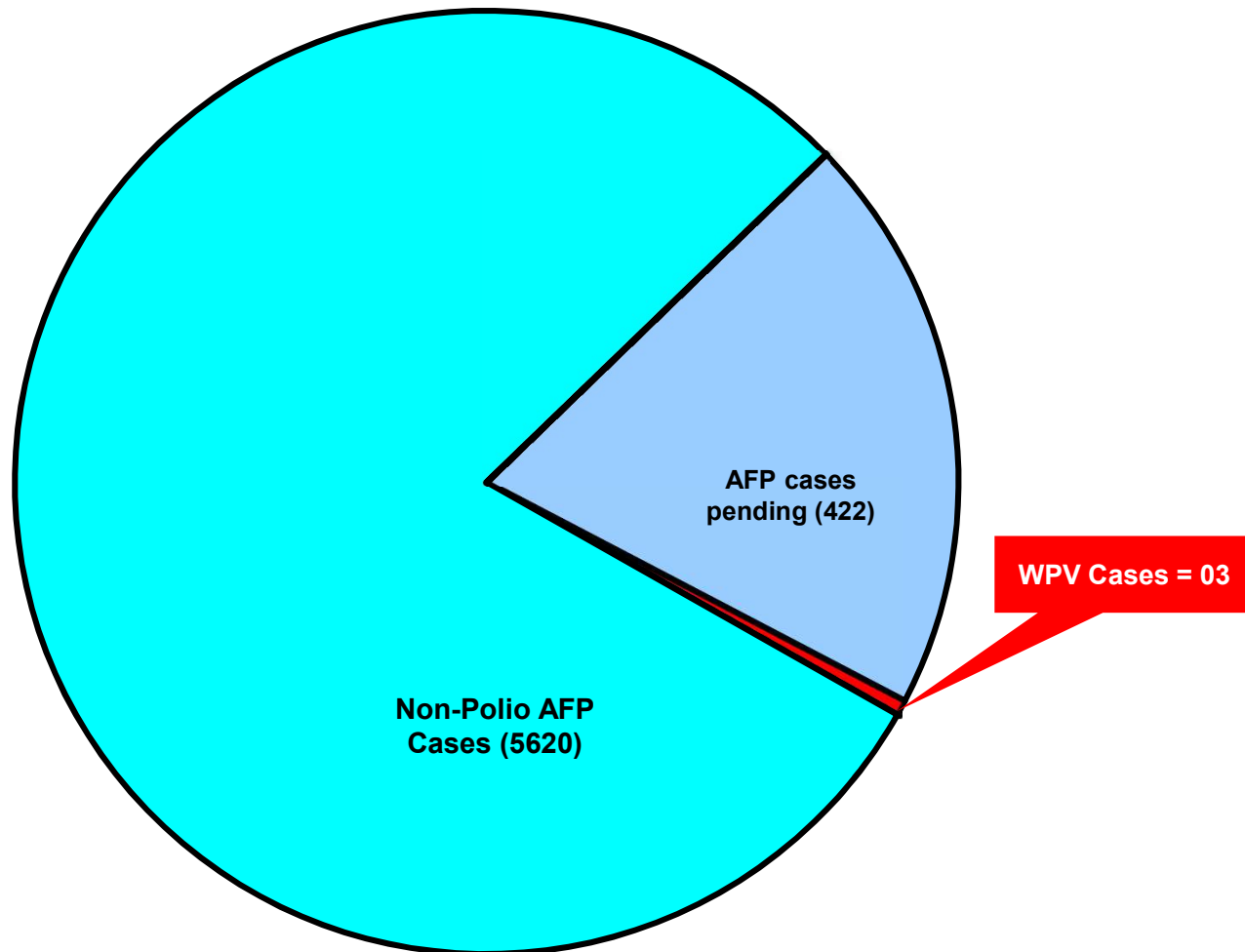
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AFP Surveillance



<http://www.emro.who.int/pak/information-resources>

# AFP Case Profile, 2018\*



**Total AFP Cases Reported = 6045**

**^ 227 Inadequate cases not due for FUP**

**^ 195 AFP Cases pending in Lab**

**^79 AFP Cases pending for classification by ERC**

\* Afp.rec Data as of 30-07-2018

## Table 1.1: List of Confirmed Polio Cases, Pakistan 2018\* (1/1)

S.NO.	PROVINCE/ REGION	DISTRICT	TEHSIL	EPID NO.	SEX	AGE (m)	DATE ONSET OF PARALYSIS	NO. OPV DOSES (based on parents recall)		FEVER	Asymetric Paralysis	Rapid Progression	REFUSAL	WPV TYPE	GENETICS
								Routine	SIA's						Cluster
01	BALUCHISTAN	DUKI	DUKI	BN/65/18/003	M	38	08-Mar-18	0	7+	Y	Y	Y	N	NSL1	R4B5C4
02	BALUCHISTAN	DUKI	DUKI	BN/65/18/005	F	18	15-Apr-18	0	7	Y	Y	Y	N	NSL1	R4B5C4D
03	BALUCHISTAN	DUKI	DUKI	BN/65/18/007	M	18	18-May-18	0	3	Y	Y	Y	N	NSL1	R4B5C4D

\* Afp.rec Data as of 30-07-2018

# Table 3: Urgent/ITD Pending Cases (1/1)

S. #	District	Basic information								OPV doses				Urgent		Prov Diagnosis	Lab update			Remarks
		Tier	Tehsil	Union council	Epid number	Date of Onset	Age (Y)	Sex	Date of 1st stool	Stool Adeq	RI	SAs	Last 6 SAs	Last dose	Field		NSC ‡	Lab No.	Days Inc	
<b>Isolates pending for ITSD</b>																				
1	DIKHAN *	2	DRABAN	GERA ESSA	KP/60/18/046	18-Jul-18	2	M	18-Jul-18	Y	2	2	2	02-Jul-18	N	Y	MENINGITIS / CI	8241	9	L20B+
2	GHOTKI *	2	UBAURO	CHANDIA	SD/42/18/052	08-Jul-18	36	M	16-Jul-18	Y	3	7+	6	08-May-18	N	N	GBS	8294	9	L20B+
<b>Reported urgent (by field / NSC‡ criteria)</b>																				
3	DUKKI		DUKKI	SHARQJ LONI	BN/65/18/012	03-Jul-18	11	F	11-Jul-18	Y	0	6	6	27-Jun-18	N	Y	INJECTION NEURITIS	8039	13	UP
4	FAISALABAD	4	JARANWALA	UC 43	PB/51/18/131	19-Jun-18	7	F	07-Jul-18	N	3	3	3	01-Jun-18	N	Y	TRAUMATIC NEURITIS	7759	20	UP

\* New addition    § New results    #Data not available    ‡ NSC Criteria = Fever, Rapid Progress, Age < 48 months and OPV Doses < 7    UP = Under process  
 Urgent (Field/NSC) / Inadequate specimens / Age 12-35 months / Zero OPV dose    † Pending for genomic sequencing

# Point in time comparison of Polio Cases by Province/Region 2017 - 2018\*

Region/ Province	No. of polio cases		No. of infected districts/towns		Most recent polio case
	2017	2018	2017	2018	
<b>Balochistan</b>	1	3	1	1	18-May-18
<b>Sindh</b>	0	0	0	0	09-Nov-17
<b>Khyber Pakhtunkhwa</b>	0	0	0	0	21-Aug-17
<b>FATA / FR Areas</b>	0	0	0	0	27-Jul -16
<b>G-Baltistan</b>	1	0	1	0	13-Feb-17
<b>Punjab</b>	1	0	1	0	28-Jan-17
<b>Pakistan</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>18-May-18</b>

Nineteen additional district / town declared infected based on environmental samples in 2018

\* Afp.rec Data as of 30-07-2018

# Environmental Surveillance Results, Pakistan (2017-2018)

Sites	Proportion of WPV samples					2017												2018											
	2014		2015		2016		2017		Last 52 Weeks		Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul						
	%	n	%	n	%	n	%	n	%	n																			
<b>PUNJAB</b>	23	8	8	6	10	6	0	5	10																				
<b>LAHORE</b>	40	7	5	2	1	3	1	3	2																				
Gulshan Ravi Station	33	0	9	0	0	0	0	0	0																				
Multan Road Station	17	17	8	9	1	0	0	0	0																				
Outfall Pump Station F	50	9	8	0	0	0	0	0	0																				
Outfall Pump Station G	50	9	0	0	0	0	0	0	0																				
Outfall Pump Station H	50	0	0	0	0	17	1	9	1																				
<b>MULTAN</b>	6	11	6	3	1	0	0	0	0																				
All Town	9	8	0	0	0	0	0	0	0																				
Kotla A. Fateh	8	18	0	0	0	0	0	0	0																				
Suraj Miani	0	8	17	8	1	0	0	0	0																				
<b>DG KHAN</b>	0	0	0	0	8	14	0	1																					
Sabzi Mandi	0	0	0	0	0	0	0	0	0																				
Main Disposal	0	0	0	0	17	1	9	1																					
Wagar Canteen Disposal	0	0	0	0	0	0	0	0	0																				
<b>FAISALABAD</b>	0	0	6	0	0	14	0	0																					
Pump Station 03	0	0	17	0	0	0	0	0	0																				
Pump Station 36	0	0	0	0	0	0	0	0	0																				
<b>SARGODHA</b>	0	0	0	0	0	0	0	0																					
Silanwali	0	0	0	0	0	0	0	0	0																				
<b>BAHAWALPUR</b>	0	0	0	0	0	0	0	0																					
Lal Bagh & Tibba Bahadur	0	0	0	0	0	0	0	0	0																				
<b>RAJANPUR</b>	0	0	0	0	0	0	0	0	0																				
Aqil Pur and Aslam town	0	0	0	0	0	0	0	0	0																				
<b>RAWALPINDI</b>	41	19	17	35	8	36	14	29	7																				
Dhok Dallal	50	31	8	17	2	29	2	25	3																				
Safdarabad	33	8	29	55	3	43	7	25	3																				
<b>ISLAMABAD</b>	18	0	45	5	43	7	25	3																					
<b>CDA</b>	18	0	45	5	43	7	25	3																					
Sabzi Mandi	18	0	45	5	43	3	25	3																					
<b>SINDH</b>	47	28	10	33	48	15	116	22	40																				
<b>KHI (BALDIA)</b>	50	8	4	18	2	0	7	17	2																				
Muhammad Khan Colony	18	2	0	0	17	2	0	17	2																				
<b>KHI (G.IQBAL)</b>	54	27	8	27	6	0	14	14	3																				
Chakora Nulla	42	17	0	36	4	0	0	18	2																				
Rashid Minhas Rd	67	40	17	18	2	0	0	0	1																				
<b>KHI (GADAAP)</b>	51	33	11	62	21	33	21	52	17																				
Khamiso Goth	42	25	8	27	3	0	0	18	2																				
Macchar Colony	45	50	17	83	10	6	4	62	9																				
Sorah Goth	67	50	8	73	8	33	2	25	6																				
<b>KHI (LANDHI)</b>	17	64	7	33	6	45	5																						
Bakhtawar Village	17	64	7	33	2	45	5																						
<b>KHI (KORANGI)</b>	0	9	1	0	6	10	1																						
Composit Korangi Nulla	0	1	0	0	17	0	0	10	1																				
<b>KHI (SITE)</b>	0	45	5	14	7	50	6																						
Orangi Nulla	0	45	5	14	1	50	6																						
<b>KHI (SADDAR)</b>	0	45	5	0	6	0	0	0																					
Hijrat Colony PIDC Nulla	0	45	5	0	0	0	0	0																					
<b>KHI (LIAQUAT)</b>	0	45	5	17	6	17	1																						
Haji Mureed Goth	0	45	5	17	1	17	1																						
<b>HYDERABAD</b>	58	17	6	0	0	17	7	0	0																				
Tulsidas P-Station	58	17	7	0	0	17	1	9	1																				
<b>JACOBABAD</b>	57	45	25	36	4	33	7	55	6																				
Saddar Pumping Station	57	45	25	36	4	33	2	55	6																				
<b>SUKKUR</b>	21	25	12	9	2	8	14	9	2																				
Makka P-Station	25	17	23	9	1	17	1	9	1																				
Miani P-Station	17	33	0	9	1	0	0	9	1																				
<b>DADU</b>	0	0	0	0	0	7	0	0																					
Massan Malla	0	0	0	0	0	0	0	0	0																				
<b>SANGHAR</b>	0	0	0	0	0	0	0	0																					
Dhak Pare	0	0	0	0	0	0	0	0	0																				
<b>KAMBAR</b>	9	1	33	7	27	3																							
Shahdadkot	9	1	33	2	27	3																							
<b>INDIA</b>	59	20	12	5	8	16	60	13	16																				
<b>PESHAWAR</b>	59	35	27	35	8	89	15	52	12																				
Lara Ma	50	31	8	0	0	33	2	18	2																				
Shaheen Town	67	67	75	67	8	100	7	83	10																				
<b>DI KHAN</b>	8	8	2	0	0	14	0	0																					
Composite:Bus Stand & MODC Drain	0	0	0	0	0	0	0	0	0																				
Composite:Sherpao & Zafar Abad Drain	0	0	0	0	0	0	0	0	0																				
<b>BANNU</b>	17	6	9	1																									
Hirjal Noorabad	17	6	9	1																									
<b>KOHAT</b>	43	7	30	3																									
Faqrabad	43	3	30	3																									
<b>CHARSADA</b>	0	0	0	0	0	7	0	0																					
Composite Shahjahan and Majoki	0	0	0	0	0	0	0	0																					
<b>MARDAN</b>	0	0	0	0	0	7	0	0																					
Composit Chak and Parhoti	0	0	0	0	0	0	0	0																					
<b>NOWSHERA</b>	0	0	0	0	0	6	0	0																					
Mill Colony	0	0	0	0	0	0	0	0																					
<b>FAISALCHISTAN</b>	48	31	29	29	34	10	69	15	15																				
<b>QUETTA</b>	42	42	29	26	12	16	27	18	6																				
Jam-e-Salfia	25	33	13	50	6	33	2	27	3																				
Killi Jattak	42	58	0	0	1	33	2	18	2																				
Surpul	58	33	28	28	3	0	0	0	1																				
Railway Pul site (RP)	38	17	2	0	0	0	0	0																					
<b>KABDULAH</b>	83	13	25	54	13	8	14	17	4																				
Army Kaiziba	100	18	17	67	8	14	1	25	3																				
Hadi Packet	50	8	33	42	8	0	0	9	1																				
<b>PISHIN</b>	50	42	5	0	7	8	1																						
TURWA Pishin	50	42	5	0	0	7	8	1																					

## Table 2: LAB Update 2018\*

Month of Onset	AFP Cases	No virus isolated	Cases Under Process		Isolated Viruses from stools						
			Culture	ITD	Vaccine viruses		NPEV		Wild	Results within 14 days	
	n	n	n	n	n	%	n	%	n	n	%
January	1010	843	0	0	76	8	91	9%	0	1010	100%
February	894	715	0	0	74	8	105	12%	0	894	100%
March	967	766	0	0	28	3	172	18%	1	966	100%
April	981	733	0	0	31	3	217	22%	1	981	100%
May	993	722	4	0	30	3	236	24%	1	988	99%
June	763	568	9	0	18	2	169	22%	0	755	99%
July	430	223	126	2	14	3	67	16%	0	304	71%
<b>Total</b>	<b>6038</b>	<b>4570</b>	<b>139</b>	<b>2</b>	<b>271</b>	<b>4</b>	<b>1057</b>	<b>18%</b>	<b>03</b>	<b>5898</b>	<b>98%</b>

\* Data as of Jul 30, 2018

## Comparison of Environmental Sampling Results, 2017-18\*

DISTRICT	2017					2018					Last
	TOTAL	WILD			TOTAL	WILD					
	n	GRAB	BMFS	TOTAL		n	GRAB	BMFS	TOTAL		
		n	n	n	%		n	n	n	%	
LAHORE	35			0	0%	32	1		1	3%	11-Jun-18
MULTAN	21	1		1	5%	20			0	0%	9-Jan-17
DGKHAN	21			0	0%	14		1	1	7%	12-Feb-18
RAWALPINDI	16	4	2	6	38%	15	4	1	5	33%	10-Jul-18
FAISALABAD	14			0	0%	13			0	0%	2-Jul-16
SARGODHA	7			0	0%	6			0	0%	
BAHAWALPUR	8			0	0%	6			0	0%	
RAJANPUR						6			0	0%	
CDA	7	5		5	71%	7	3		3	43%	10-Jul-18
KHIGIQBAL	15	2	1	3	20%	12			0	0%	10-Oct-17
KHIGADAP	21	10		10	48%	18	6		6	33%	8-Jun-18
KHIBALDIA	7			0	0%	7			0	0%	3-Nov-17
KHILANDHI	7	4		4	57%	6	2		2	33%	20-Apr-18
KHIKORANGI	7			0	0%	5			0	0%	16-Oct-17
KHISITE	7			0	0%	7	1		1	14%	1-Jan-18
KHISADDAR						6			0	0%	
KHILIAQAT						6	1		1	17%	7-Mar-18
SUKKUR	17	1		1	6%	13		1	1	8%	8-Feb-18
HYDERABAD	7			0	0%	6	1		1	17%	9-Feb-18
JACOBABAD	7			0	0%	8	1	1	2	25%	7-Mar-18
SANGHAR	7			0	0%	1			0	0%	
DADU	7			0	0%	7			0	0%	
KAMBAR	7			0	0%	6	2		2	33%	7-May-18
PESHAWAR	17	3	2	5	29%	14	8	1	9	64%	10-Jul-18
DIKHAN	14			0	0%	12			0	0%	16-Jul-16
BANNU	6			0	0%	7		1	1	14%	31-Mar-18
KOHAT	7			0	0%	7	3		3	43%	27-Jun-18
CHARSADA	7			0	0%	6			0	0%	
MARDAN	7			0	0%	6			0	0%	
NOWSHERA	7			0	0%	6			0	0%	
KABDULAH	14	10		10	71%	13	1		1	8%	1-Jan-18
QUETTA	29	9	1	10	34%	25	4		4	16%	28-May-18
PISHIN	7	4		4	57%	7			0	0%	2-Oct-17
KHUZDAR	6			0	0%	6			0	0%	
LORALAI	7			0	0%	5	1		1	20%	17-Mar-18
ZHOB	7			0	0%	6			0	0%	18-Dec-17
WAZIR-S						3			0		
BAJOUR						3	1		1	33%	19-May-18
PAKISTAN	380	53	6	59	16%	353	40	6	46	13%	10-Jul-18

\* Afp.rec Data as of 30-07-2018



## WPV and cVDPV Cases by District in 2018

PROVINCE	DISTRICT	WPV Cases		cVDPV Cases	
		Onset of Last Case	Cases	Onset of Last Case	Cases
BALUCHISTAN	DUKKI	18-May	3		

# Map 2.1: Point in Time Comparison of Wild Polio virus Compatible and cVDPV2 isolates

## Infected districts/Towns/Agencies/Areas

On the basis of WPV isolation

- WPV cases = 03
- Sewage water = 10 (no WPV case)
- Total = 13

### 2017

Source

#### AFP Surveillance

- P1 = 03
- Compatible = 0
- cVDPV Cases = -
- cVDPV Env = -

#### Sewage water

- Grab = 53
- BMFS = 06

## Infected districts/Towns/Agencies/Areas

On the basis of WPV isolation

- WPV cases = 01
- Sewage water = 19 (no WPV case)
- Total = 20

### 2018

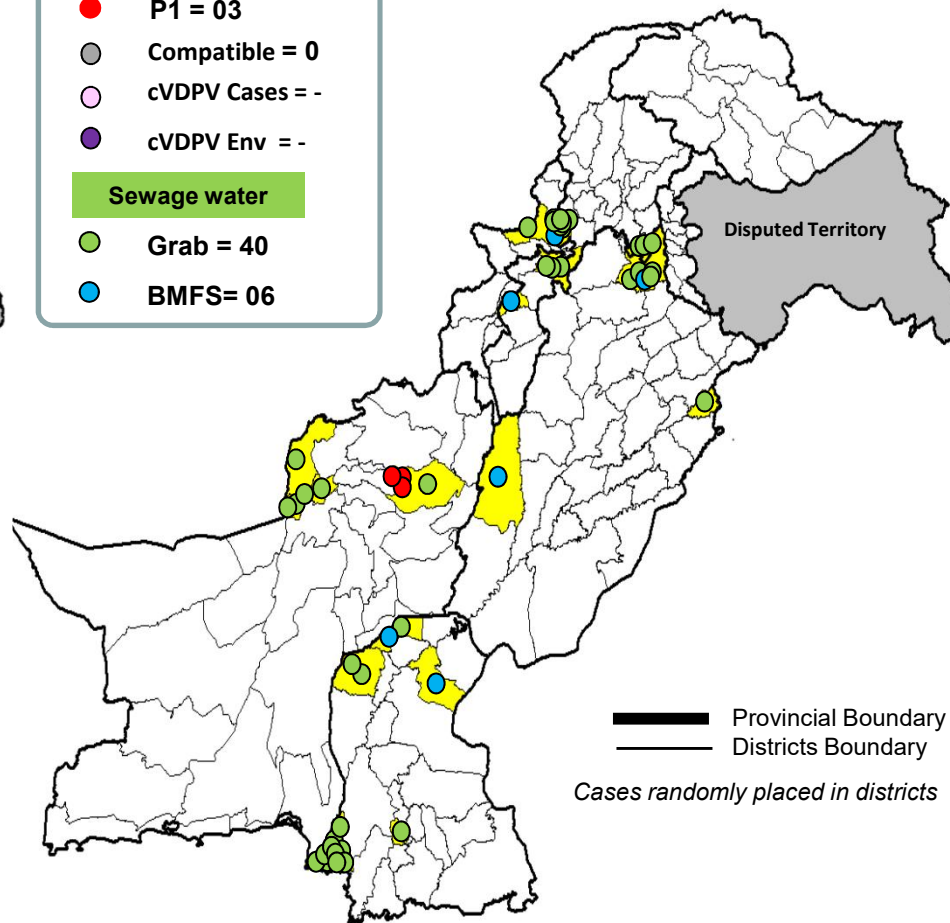
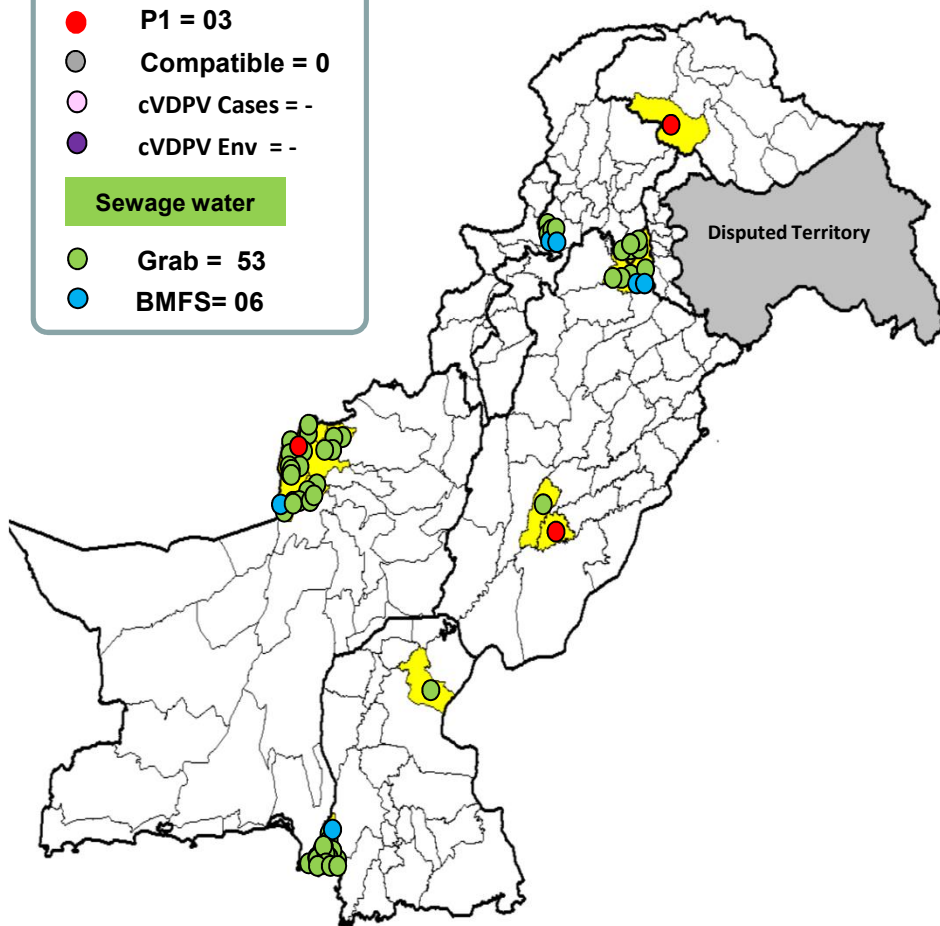
Source

#### AFP Surveillance

- P1 = 03
- Compatible = 0
- cVDPV Cases = -
- cVDPV Env = -

#### Sewage water

- Grab = 40
- BMFS = 06



— Provincial Boundary  
 — Districts Boundary

Cases randomly placed in districts

\* Afp.rec Data as of 30-07-2018

# Map1: Distribution of Wild Polio Cases Pakistan 2017-2018\*

Districts/Towns with Wild Polio Cases = 01



Province/ Country	Date of Last Case		Number of cases 2017		Number of cases 2018	
	P1	P3	P1	P3	P1	P3
FATA	Jul, 2016	Apr, 2012	-	-	-	-
KHYBER-PAKHTUNKHWA	Aug, 2017	Oct, 2010	01	-	-	-
SINDH	Nov, 2017	Jan, 2010	02	-	-	-
BALUCHISTAN	Apr, 2018	Apr, 2010	03	-	03	-
PUNJAB	Jan, 2017	Jun, 2010	01	-	-	-
AJK	Jun, 2000	Jun, 2000	-	-	-	-
GILGIT-BALTISTAN	Feb, 2017	-	01	-	-	-
ISLAMABAD	Sep, 2008	Sep, 2008	-	-	-	-
<b>PAKISTAN</b>	<b>Apr, 2018</b>	<b>Apr, 2012</b>	<b>08</b>	<b>-</b>	<b>03</b>	<b>-</b>

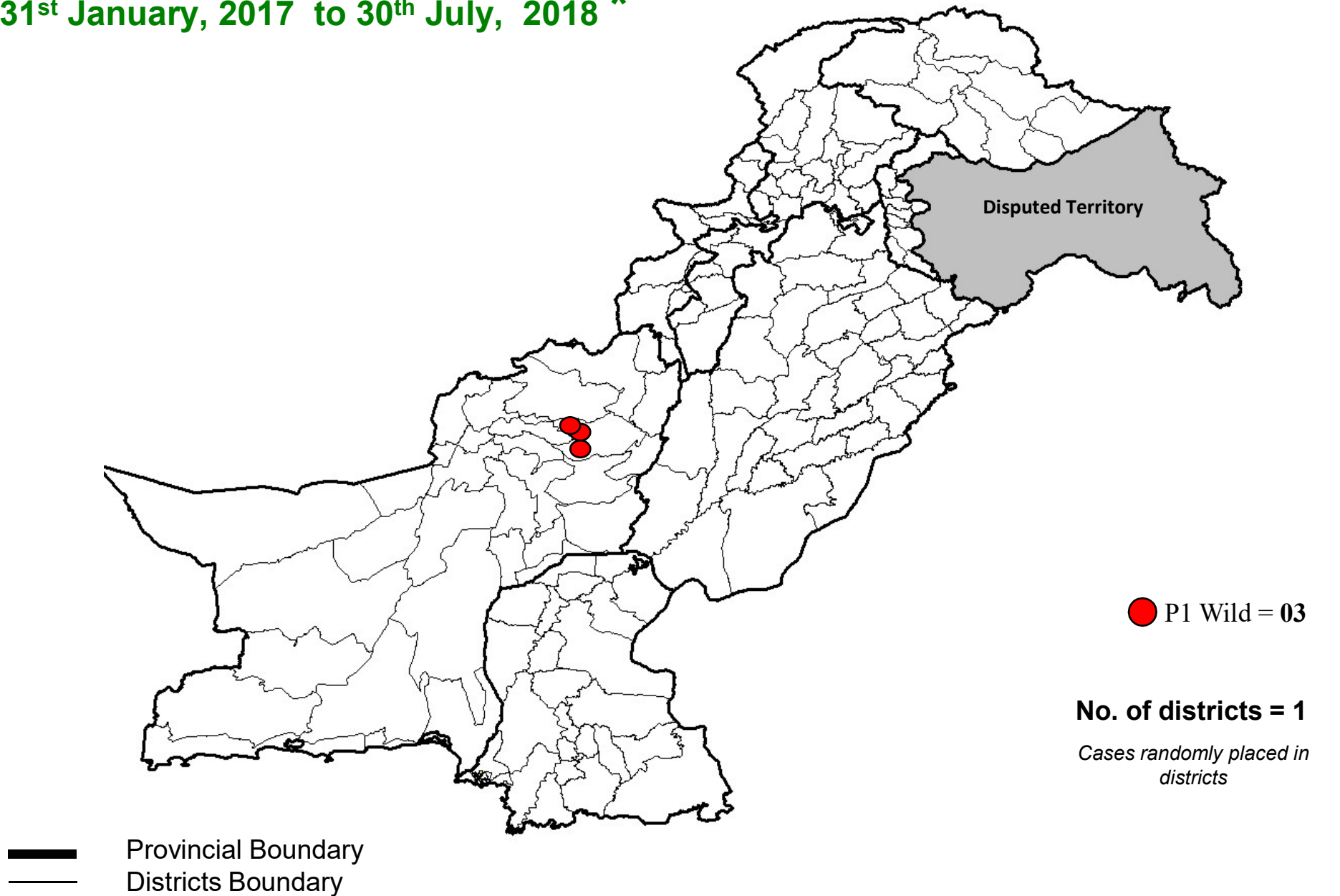
- District with last polio case in province
- Provincial Boundary
- Districts Boundary

Cases randomly placed in districts

\* Afp.rec Data as of 30-07-2018

## Map 3: Wild Polio cases in the last 6 months

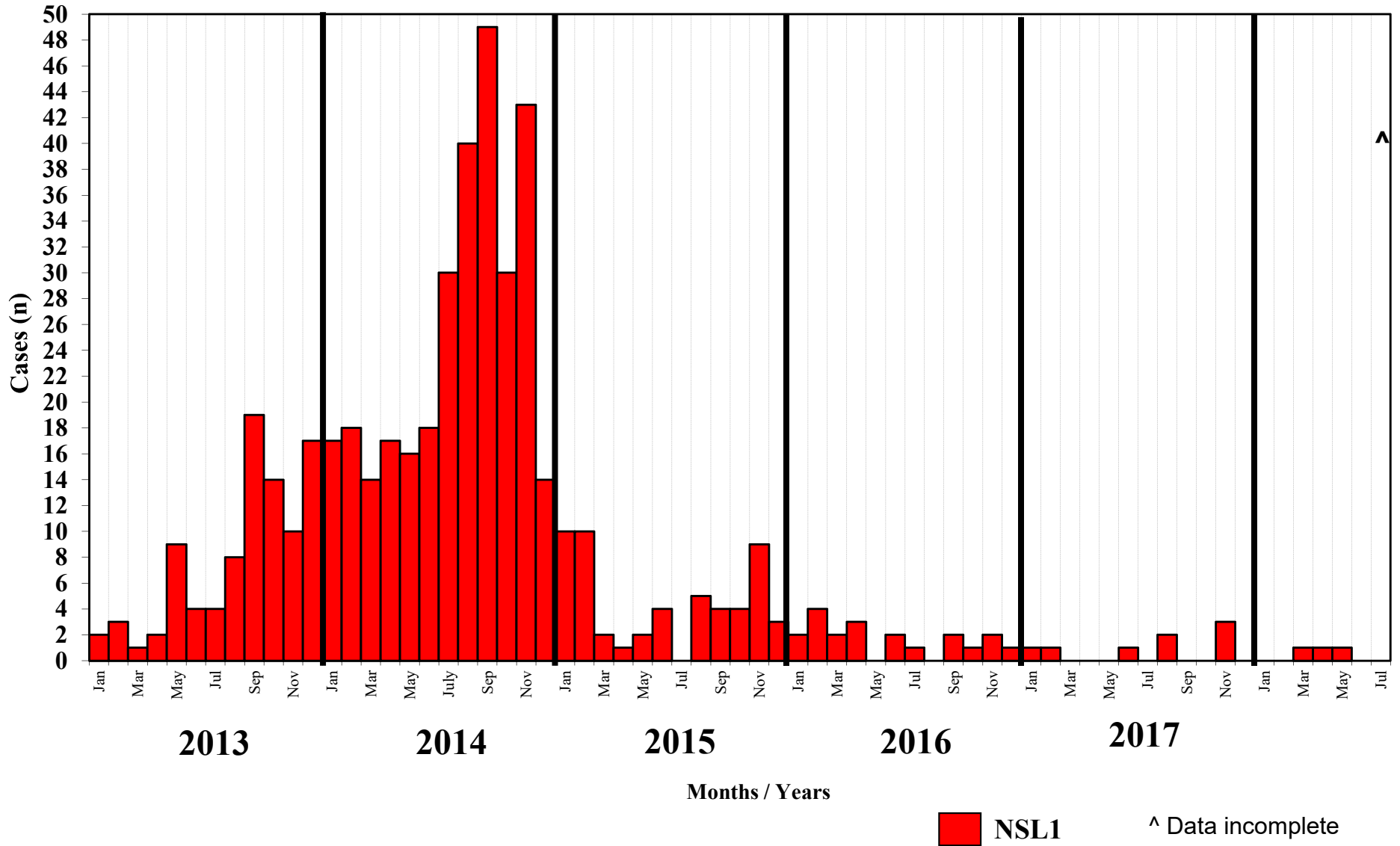
31<sup>st</sup> January, 2017 to 30<sup>th</sup> July, 2018 \*



\* Afp.rec Data as of 30-07-2018

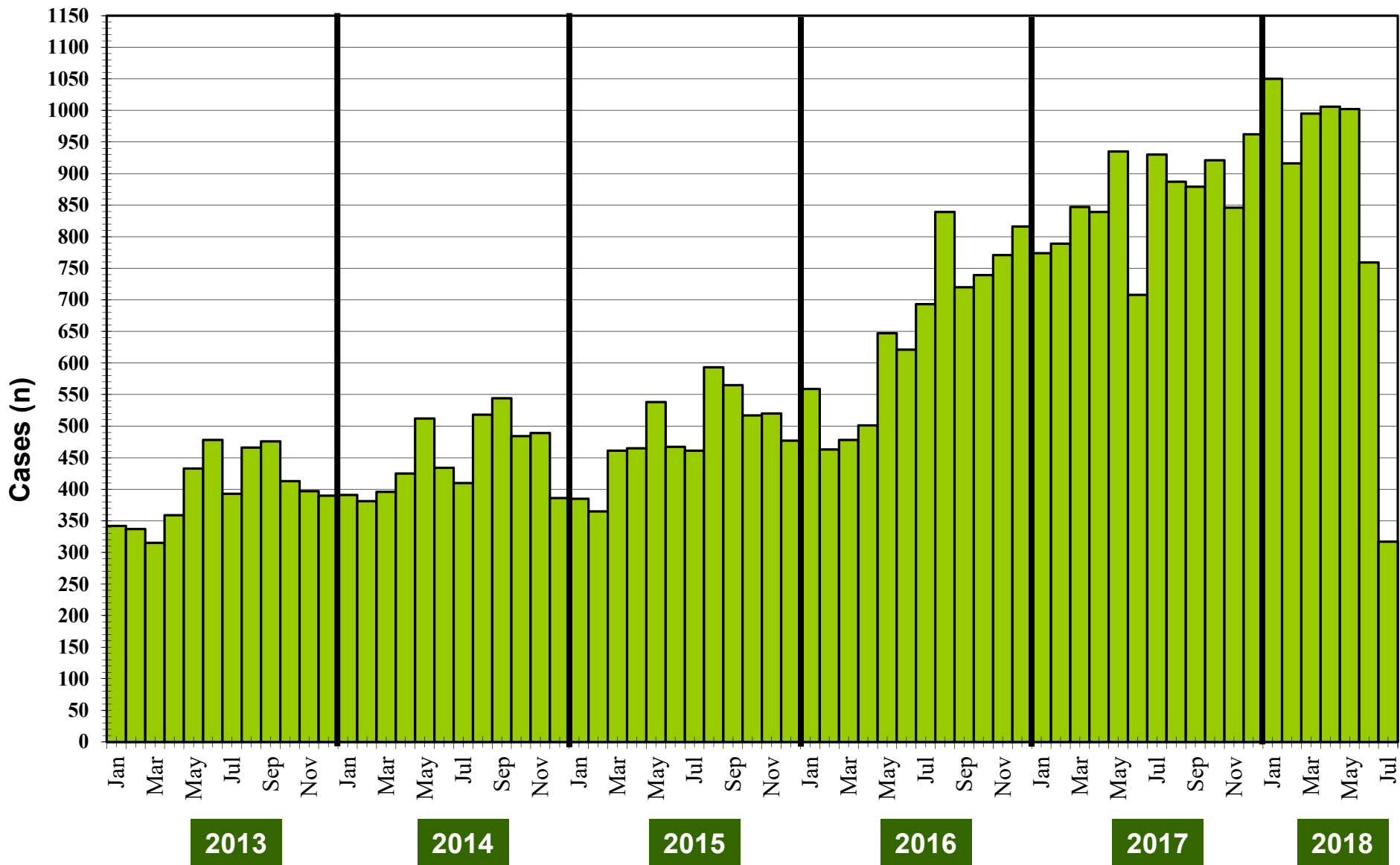
# Confirmed Polio Cases 2013-2018\*

2018



\* Afp.rec Data as of 30-07-2018

# Graph 1: Distribution of AFP Cases by Month, Pakistan 2013-2018\*



\* Afp.rec Data as of 30-07-2018

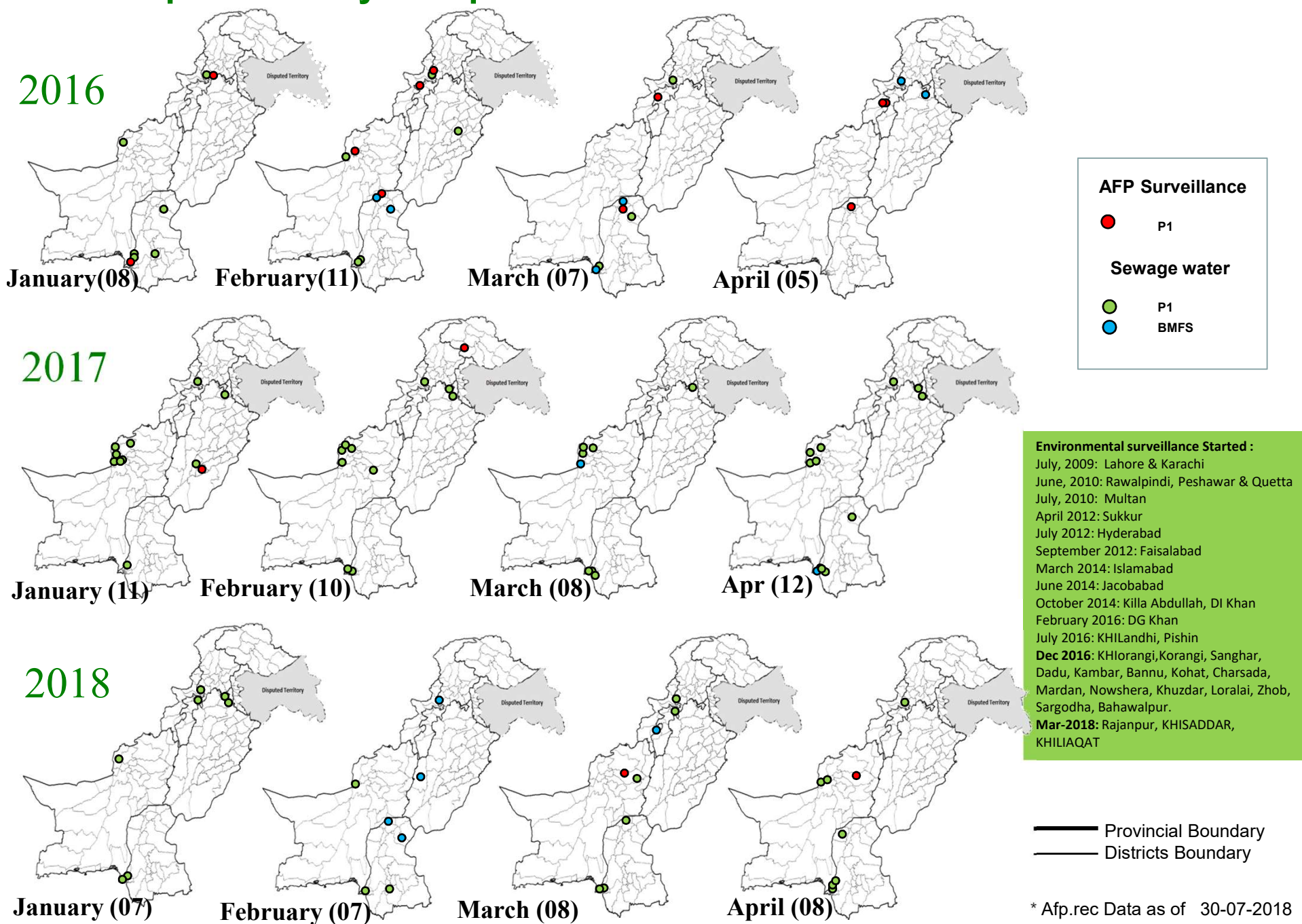
**Table 4: Distribution of AFP Cases By Week of Onset <sup>^</sup>  
Pakistan- 2017-2018\* [Week number / Ending on]**

<b>PROVINCE</b>	<b>W 15 14 Apr 2018</b>	<b>W 16 21 Apr 2018</b>	<b>W 17 28 Apr 2018</b>	<b>W 18 05 May 2018</b>	<b>W 19 12 May 2018</b>	<b>W 20 19 May 2018</b>	<b>W 21 26 May 2018</b>	<b>W 22 01 Jun 2018</b>	<b>W 23 08 Jun 2018</b>	<b>W 24 15 Jun 2018</b>	<b>W 25 22 Jun 2018</b>	<b>W 26 30 Jun 2018</b>	<b>W 27 07 Jul 2018</b>	<b>W 28 14 Jul 2018</b>	<b>W 29 21 Jul 2018</b>
<b>PUNJAB</b>	96	113	97	127	133	103	108	99	101	90	89	76	92	52	8
<b>SINDH</b>	53	40	37	45	40	32	35	38	25	24	30	37	41	15	0
<b>FATA</b>	19	13	8	23	14	7	6	1	6	6	10	15	11	6	0
<b>BALUCHISTAN</b>	16	10	15	8	9	7	9	9	10	5	7	7	10	1	0
<b>AJK</b>	2	6	2	7	6	3	1	4	3	5	3	3	2	1	0
<b>GILGIT BILTISTAN</b>	6	2	2	2	3	3	2	2	0	0	2	2	2	1	0
<b>ISLAMABAD</b>	0	1	2	2	1	0	0	2	1	0	2	1	0	0	0
<b>KPAKHTUNKHWA</b>	53	30	41	52	55	37	38	38	35	32	36	38	44	29	3
<b>PAKISTAN</b>	<b>245</b>	<b>215</b>	<b>204</b>	<b>266</b>	<b>261</b>	<b>192</b>	<b>199</b>	<b>193</b>	<b>181</b>	<b>162</b>	<b>179</b>	<b>179</b>	<b>202</b>	<b>105</b>	<b>11</b>

\* Afp.rec & Afplab.rec: Data as of 30-07-2018

<sup>^</sup> MMWR Epidemiological Weeks

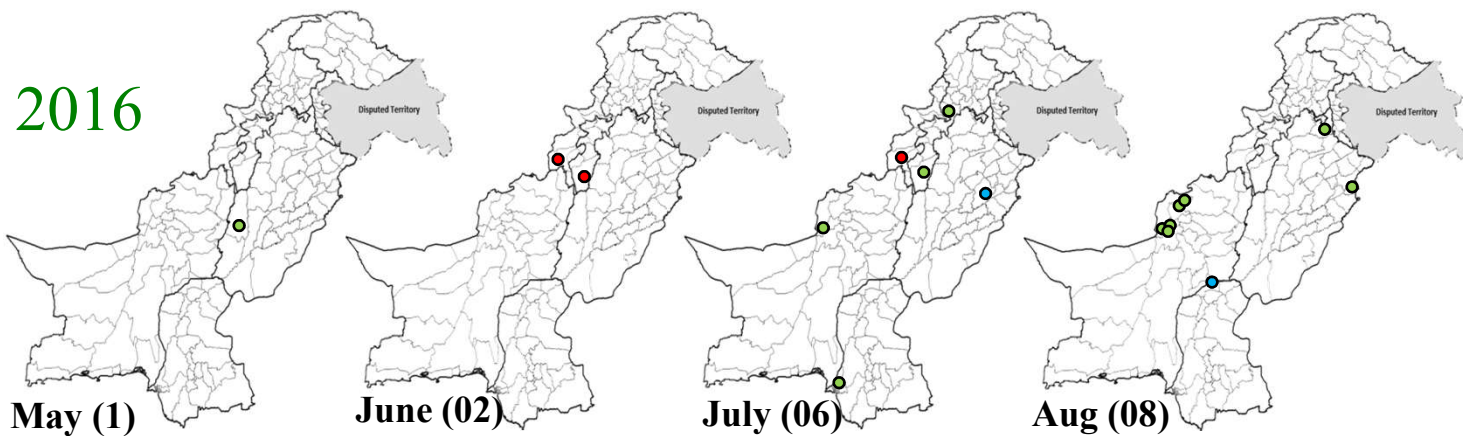
# Map 4: Monthly Comparison of Polio Cases/Isolates 2016-2018\*



\* Afp.rec Data as of 30-07-2018



# Map 4.1: Monthly Comparison of Polio Cases/Isolates 2016-2018\*

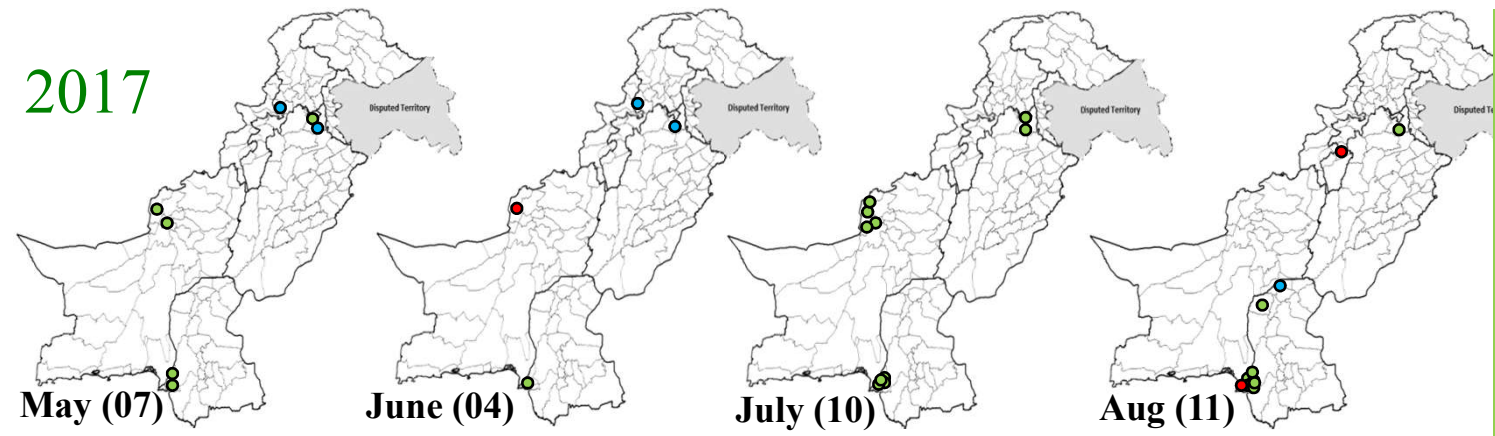


**AFP Surveillance**

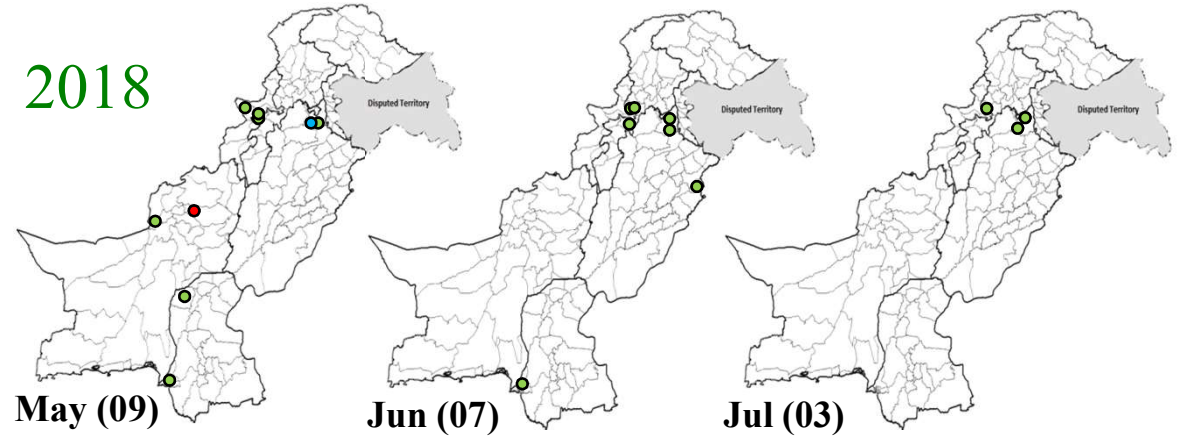
- P1

**Sewage water**

- P1
- BMFS



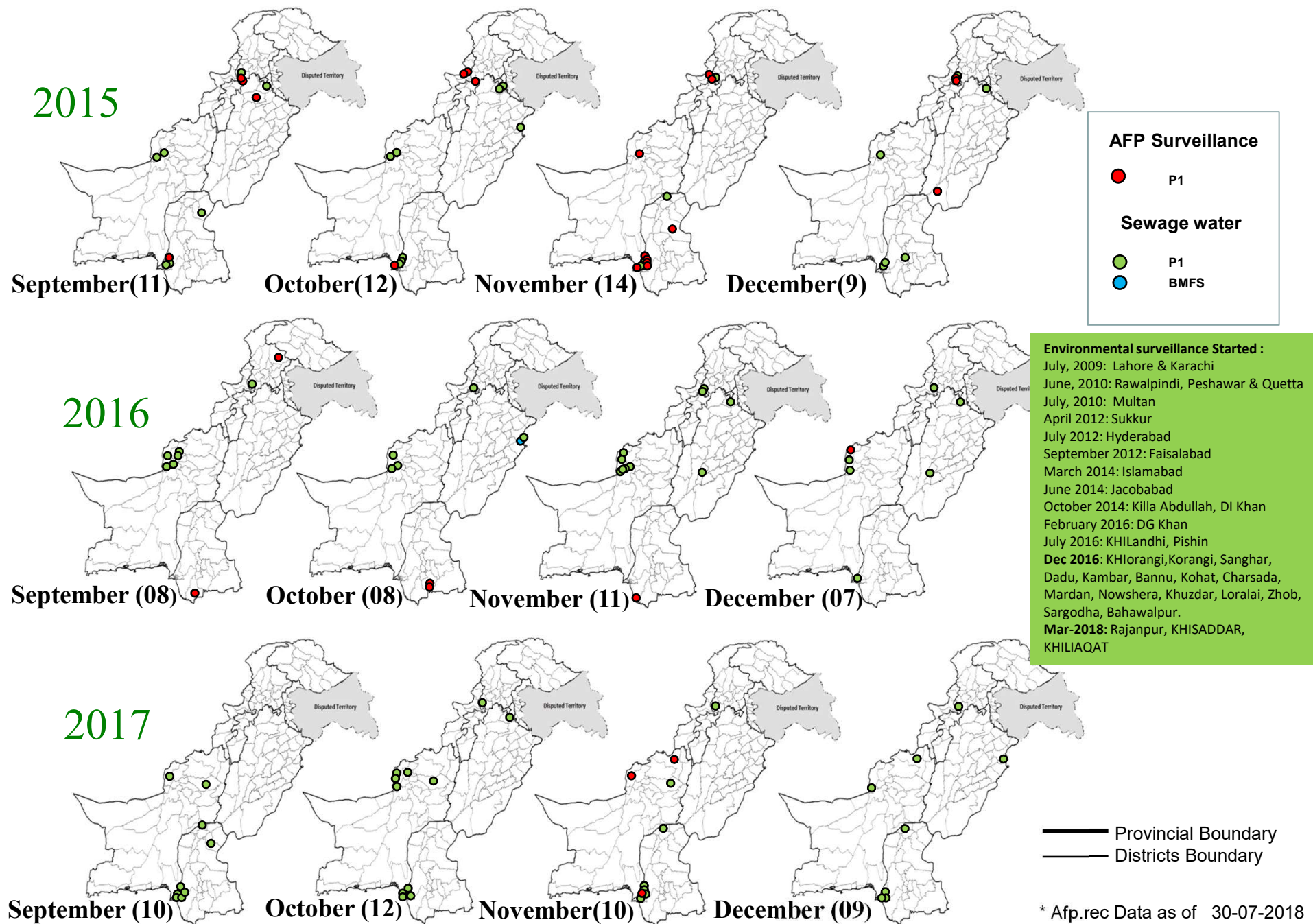
**Environmental surveillance Started :**  
 July, 2009: Lahore & Karachi  
 June, 2010: Rawalpindi, Peshawar & Quetta  
 July, 2010: Multan  
 April 2012: Sukkur  
 July 2012: Hyderabad  
 September 2012: Faisalabad  
 March 2014: Islamabad  
 June 2014: Jacobabad  
 October 2014: Killa Abdullah, DI Khan  
 February 2016: DG Khan  
 July 2016: KHILandhi, Pishin  
**Dec 2016:** KHlorangi, Korangi, Sanghar, Dadu, Kambar, Bannu, Kohat, Charsada, Mardan, Nowshera, Khuzdar, Loralai, Zhob, Sargodha, Bahawalpur.  
**Mar-2018:** Rajanpur, KHISADDAR, KHILIAQAT



— Provincial Boundary  
 — Districts Boundary

\* Afp.rec Data as of 30-07-2018

# Map 4.2: Monthly Comparison of Polio Cases/Isolates 2015-2017\*



\* Afp.rec Data as of 30-07-2018

# Table 5: Polio Eradication Update, Pakistan 2015-2018\*

Province/Region	Polio 1			
	2015	2016	2017	2018
FATA	16	02	-	-
KP	17	08	01	-
SINDH	12	08	02	-
PUNJAB	02	-	01	-
BALUCHISTAN	07	02	03	03
AJK	-	-	-	-
Gilgit-Baltistan	-	-	01	-
ISLAMABAD	-	-	-	-
<b>PAKISTAN</b>	<b>54</b>	<b>20</b>	<b>08</b>	<b>03</b>

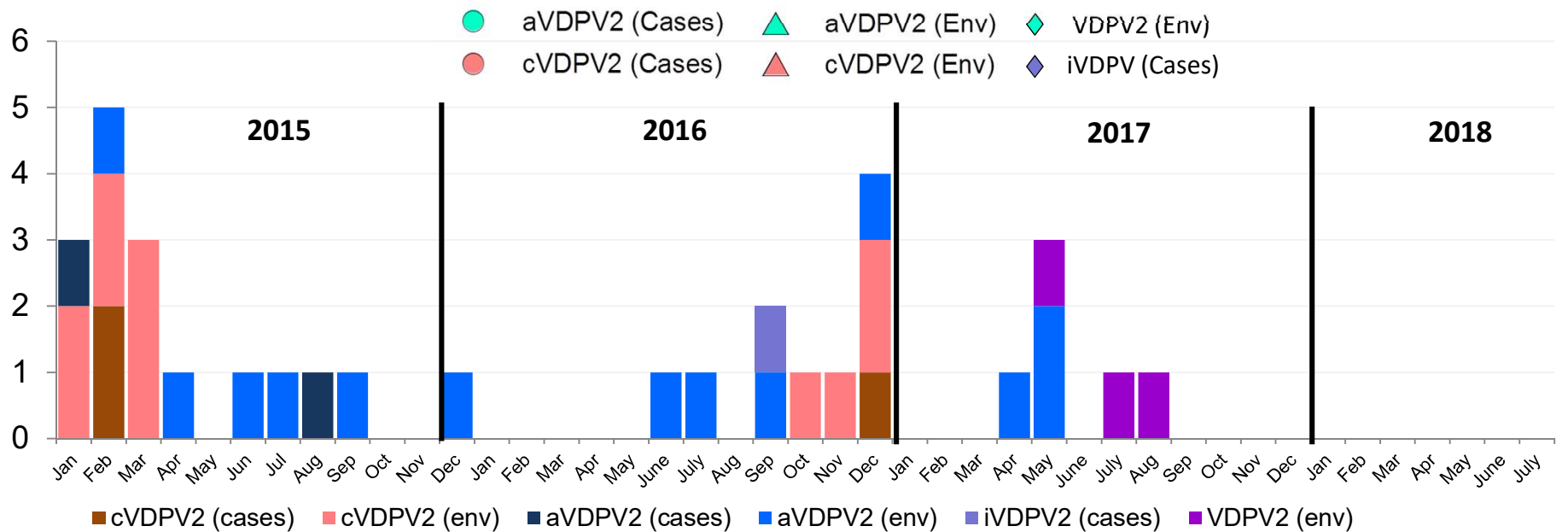
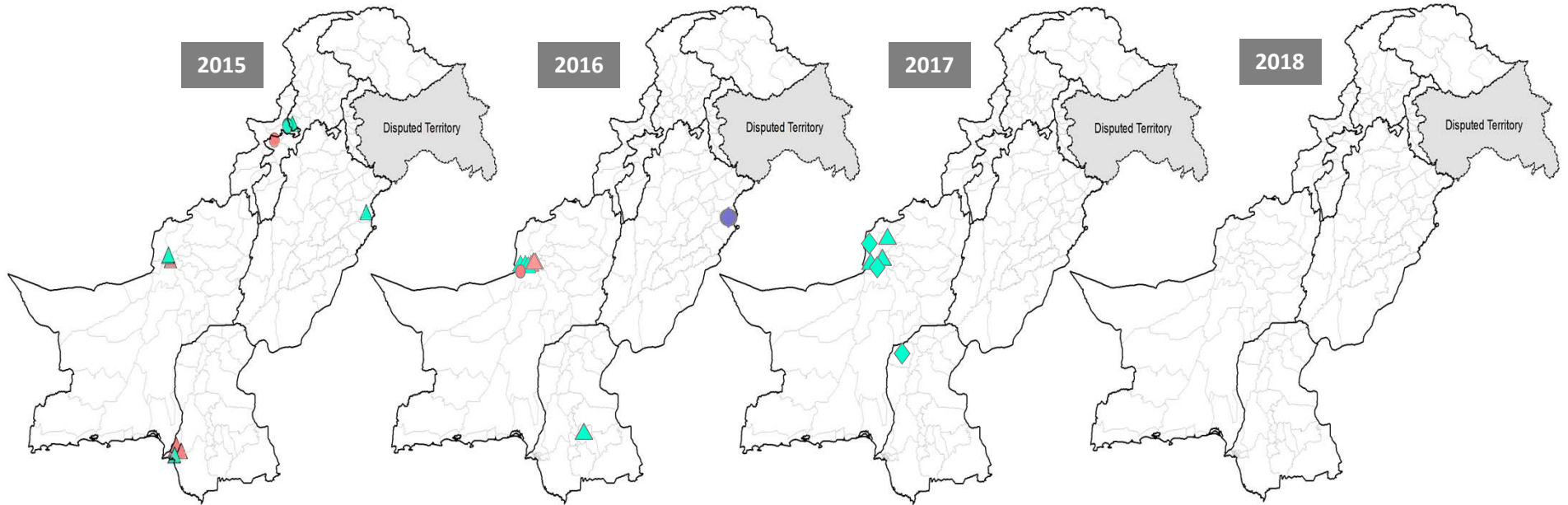


\* Afp.rec Data as of 30-07-2018

# VDPV2 isolates, 2014 to 2018\*

DISTRICT	2014				2015				2016					2017					2018			
	aVDPV-2		cVDPV-2		aVDPV-2		cVDPV-2		aVDPV-2		iVDPV-2		cVDPV-2		VDPV2		aVDPV-2		cVDPV-2			
	Cases	Env	Cases	Env	Cases	Env	Cases	Env	Cases	Env	Cases	Env	Cases	Env	Cases	Env	Env	Cases	Env	Cases	Env	
JAFARABAD																						
MASTUNG																						
PISHIN															1							
QUETTA					2		1			3			1	4			2					1
KABDULAH																						1
<b>BALOCHISTAN</b>					<b>2</b>		<b>1</b>			<b>3</b>			<b>1</b>	<b>4</b>			<b>3</b>					<b>2</b>
FR BANNU				8																		
KHYBER	1		2		1		1															
MOHMAND																						
WAZIR-N	2		7																			
WAZIR-S	1																					
<b>FATA</b>	<b>4</b>		<b>17</b>		<b>1</b>		<b>1</b>															
BANNU			1																			
HANGU							1															
LAKKIMRWT			1																			
PESHAWAR			1				1															
<b>KPAKHTUNKHWA</b>			<b>3</b>		<b>1</b>		<b>1</b>															
LAHORE	1				1					1												
<b>PUNJAB</b>	<b>1</b>				<b>1</b>					<b>1</b>												
KAMBAR																						1
KHIGADAP		2	1	7																		6
KHIGIQBAL		1					2															
KHIGULBERG							1															
HYDERABAD										1												
<b>SINDH</b>	<b>3</b>	<b>1</b>	<b>7</b>		<b>1</b>	<b>2</b>	<b>6</b>			<b>1</b>												<b>1</b>
<b>PAKISTAN</b>	<b>5</b>	<b>3</b>	<b>21</b>	<b>7</b>	<b>2</b>	<b>6</b>	<b>2</b>	<b>7</b>		<b>4</b>	<b>1</b>		<b>1</b>	<b>4</b>			<b>3</b>					<b>3</b>

# VDPV isolates (Cases + ES), 2015 – 2018\*



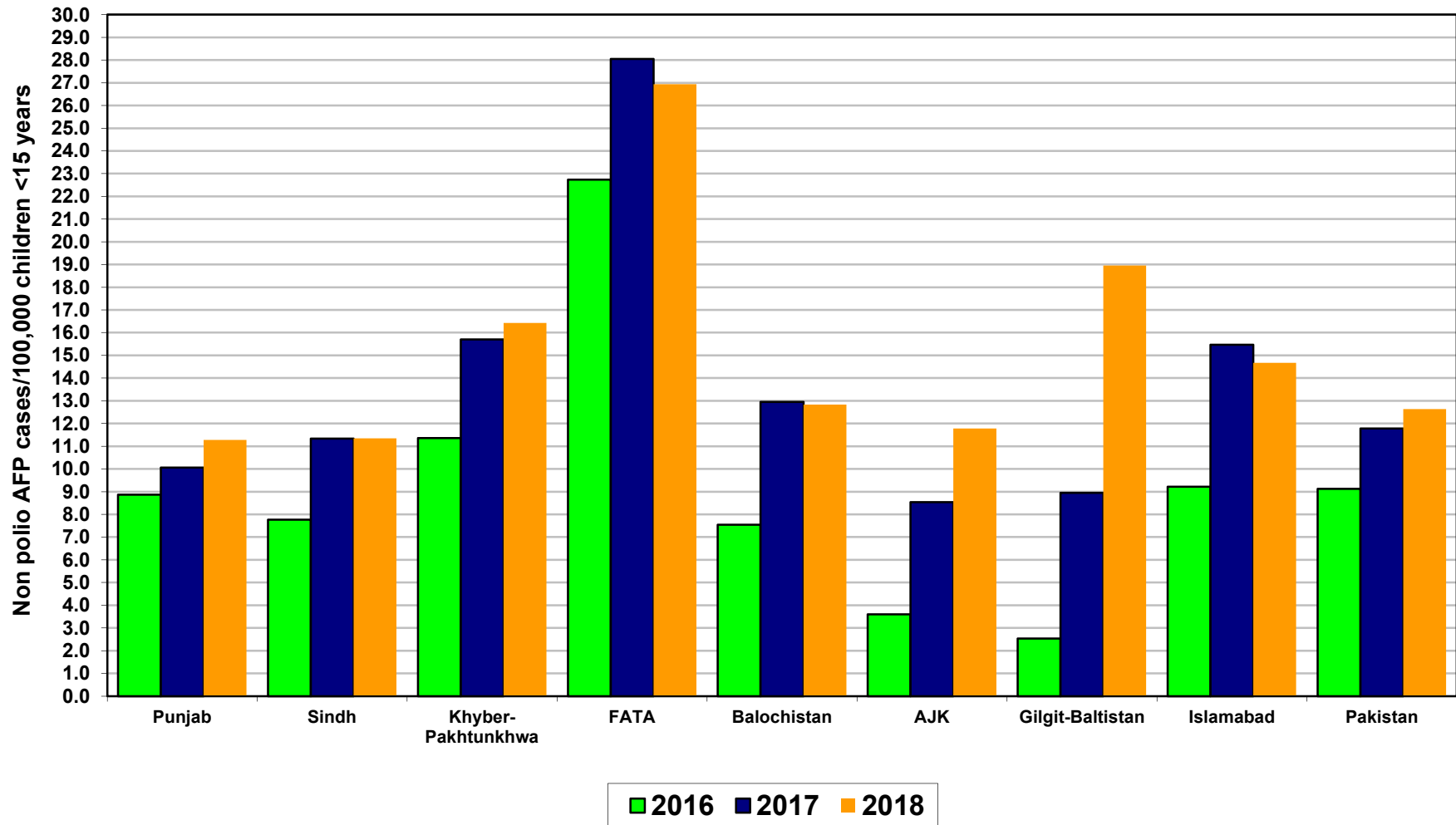
\* Afp.rec Data as of 30-07-2018

**Table 6: Vaccination status of non polio AFP cases age 6-59 months 2016-2018\***

REGION	0 dose			1-2 doses			3 doses			4-6 doses			7+ doses		
	16	17	18	16	17	18	16	17	18	16	17	18	16	17	18
Central Punjab	0%	0%	0%	0%	0%	0%	1%	1%	2%	3%	3%	2%	97%	96%	97%
North Punjab	0%	0%	0%	0%	0%	0%	0%	1%	1%	2%	2%	2%	98%	97%	96%
South Punjab	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	2%	1%	98%	98%	98%
<b>PUNJAB</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>1%</b>	<b>1%</b>	<b>2%</b>	<b>2%</b>	<b>1%</b>	<b>97%</b>	<b>97%</b>	<b>97%</b>
Karachi	0%	1%	0%	1%	1%	0%	1%	1%	1%	5%	7%	4%	93%	91%	94%
North Sindh	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	3%	3%	94%	97%	97%
South Sindh	0%	0%	1%	1%	0%	0%	1%	1%	0%	6%	4%	1%	92%	95%	98%
<b>SINDH</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>1%</b>	<b>0%</b>	<b>0%</b>	<b>1%</b>	<b>0%</b>	<b>1%</b>	<b>5%</b>	<b>4%</b>	<b>3%</b>	<b>93%</b>	<b>95%</b>	<b>96%</b>
Central Khyber Pakhtunkhwa	0%	0%	0%	0%	1%	0%	0%	0%	0%	1%	1%	1%	99%	98%	98%
North Khyber Pakhtunkhwa	1%	0%	0%	1%	1%	0%	0%	1%	0%	2%	3%	2%	96%	94%	98%
South Khyber Pakhtunkhwa	0%	0%	1%	1%	2%	0%	1%	2%	1%	1%	4%	3%	96%	92%	95%
<b>Khyber Pakhtunkhwa</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>1%</b>	<b>1%</b>	<b>0%</b>	<b>0%</b>	<b>1%</b>	<b>0%</b>	<b>1%</b>	<b>3%</b>	<b>2%</b>	<b>97%</b>	<b>95%</b>	<b>97%</b>
<b>FATA</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>2%</b>	<b>0%</b>	<b>0%</b>	<b>1%</b>	<b>1%</b>	<b>0%</b>	<b>10%</b>	<b>8%</b>	<b>3%</b>	<b>88%</b>	<b>91%</b>	<b>96%</b>
Rest of Balochistan	7%	3%	0%	7%	9%	3%	2%	4%	0%	23%	13%	16%	62%	71%	81%
North Balochistan	0%	4%	0%	3%	6%	3%	3%	2%	0%	10%	10%	6%	83%	78%	92%
Quetta Block	1%	0%	5%	1%	1%	0%	4%	0%	0%	10%	7%	0%	83%	92%	95%
<b>BALUCHISTAN</b>	<b>2%</b>	<b>2%</b>	<b>2%</b>	<b>3%</b>	<b>4%</b>	<b>2%</b>	<b>3%</b>	<b>3%</b>	<b>0%</b>	<b>13%</b>	<b>10%</b>	<b>8%</b>	<b>80%</b>	<b>82%</b>	<b>89%</b>
<b>PAKISTAN</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>1%</b>	<b>1%</b>	<b>0%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>	<b>4%</b>	<b>4%</b>	<b>2%</b>	<b>95%</b>	<b>95%</b>	<b>97%</b>

\* Afp.rec Data as of 30-07-2018

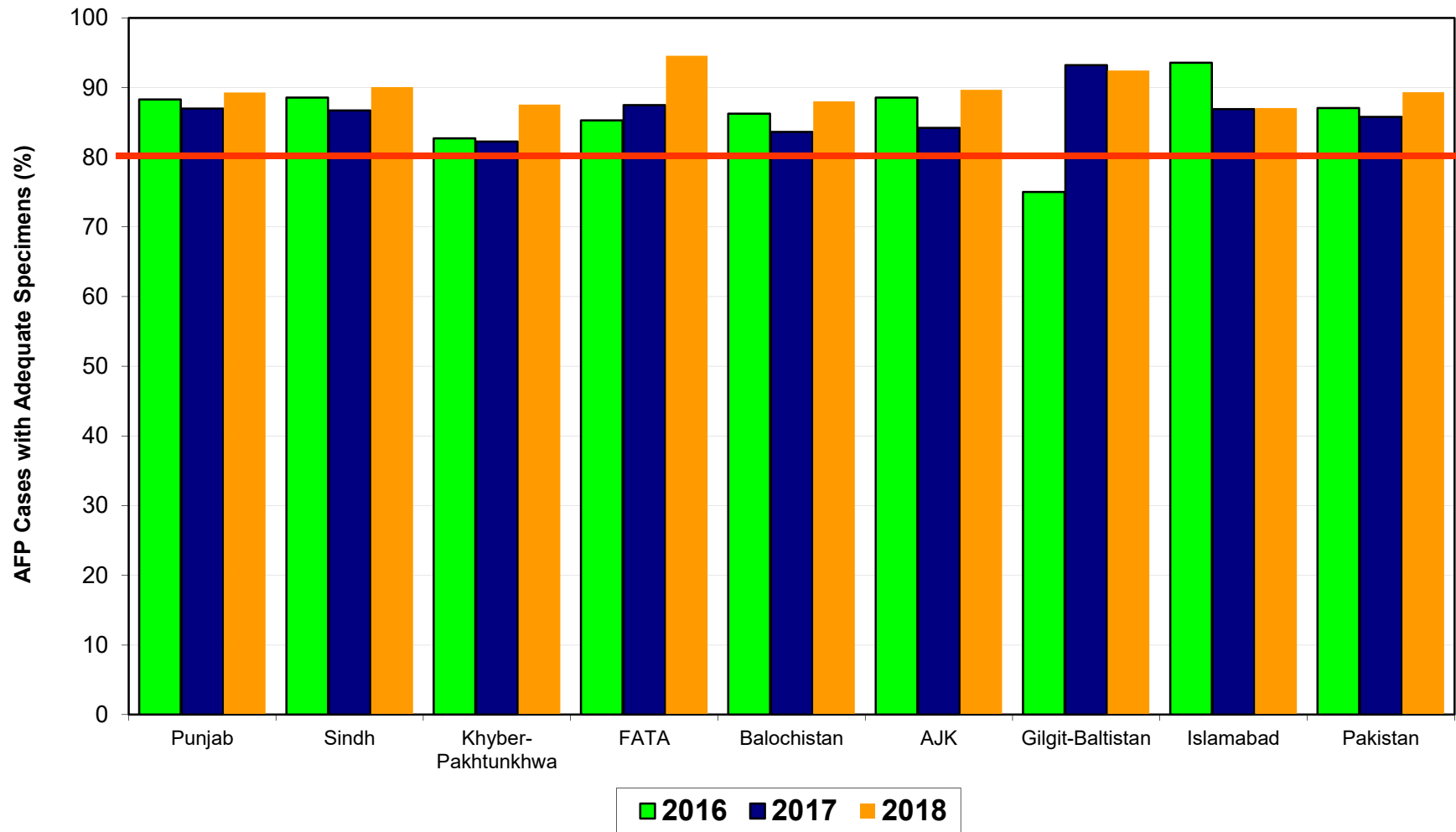
# Non Polio AFP Rate By Province/Regions, 2016-2018\*



Minimum Target Non-Polio AFP Rate for Tier-1 and Tier-2 districts is 6/100000 < 15 years of the age  
 Minimum Target Non-Polio AFP Rate for Tier-3 and Tier-4 districts is 3/100000 < 15 years of the age

\* Afp.rec Data as of 30-07-2018

# Percent AFP Cases with Adequate Specimens By Province/Regions, 2016-2018\*

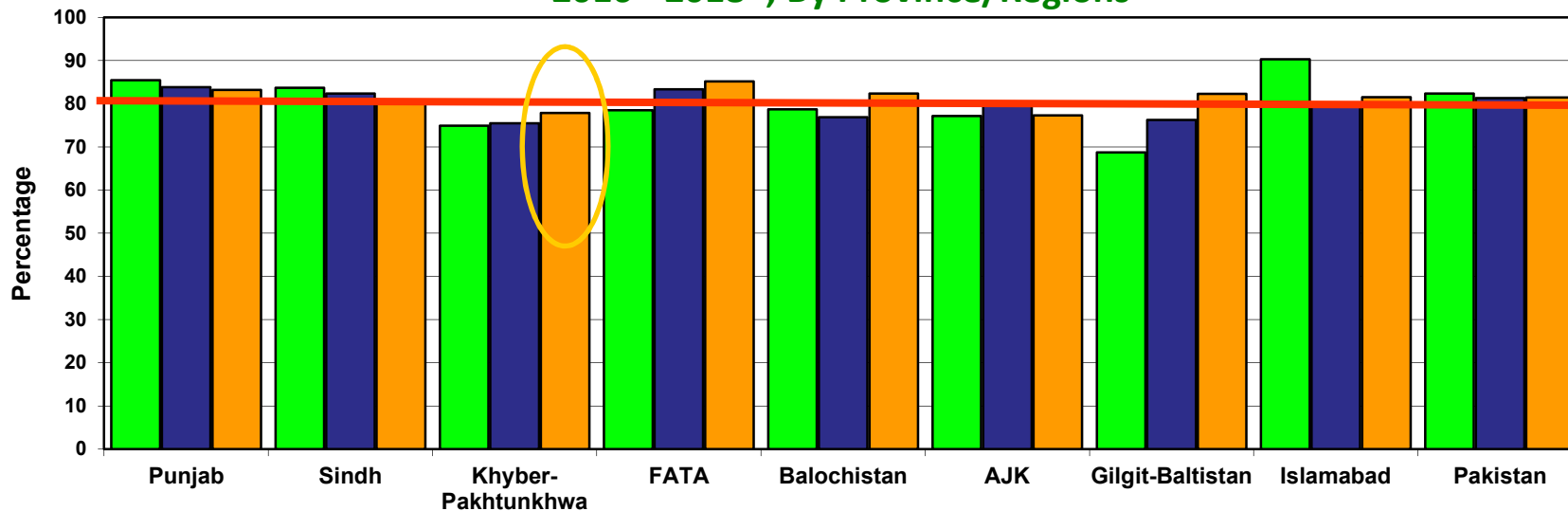


\* Afp.rec Data as of 30-07-2018

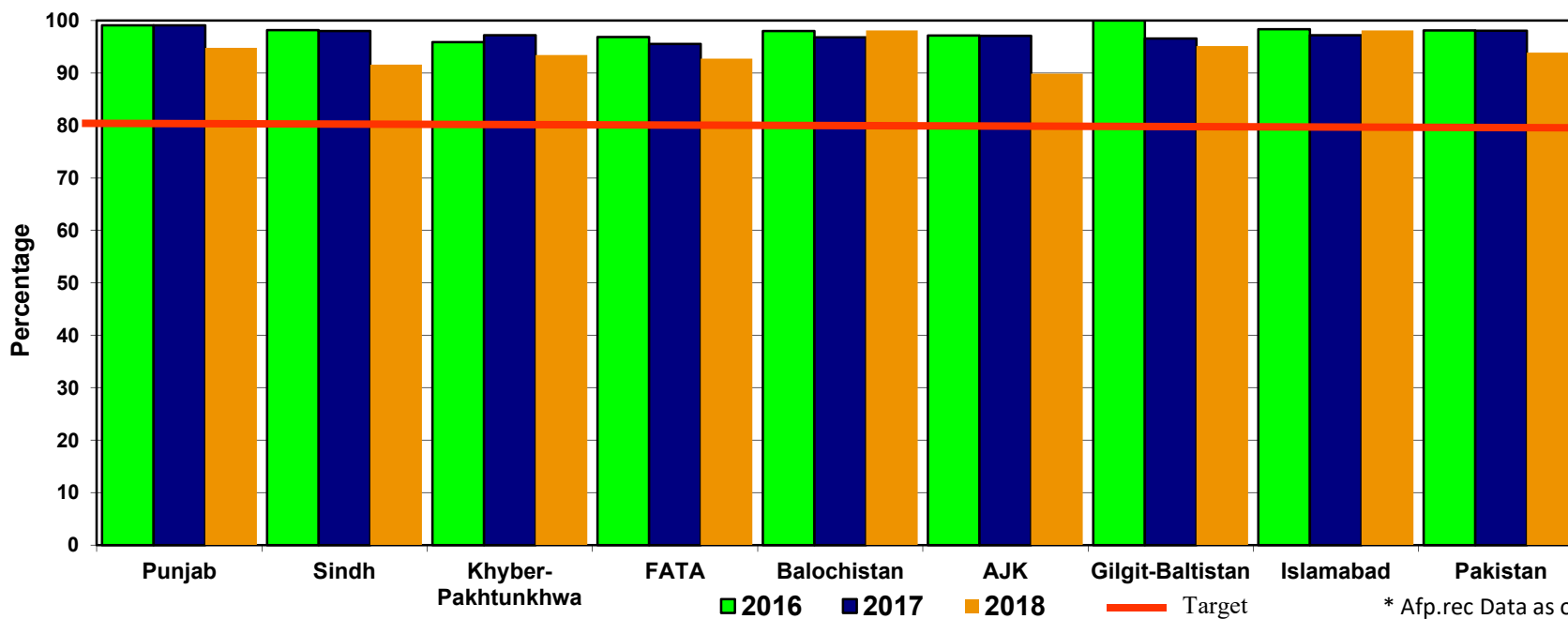
— Target Adequate Sample cases = 80%



**Graph 5: Percent AFP Cases Notified within 07 days of paralysis onset  
2016 - 2018\*; By Province/Regions**

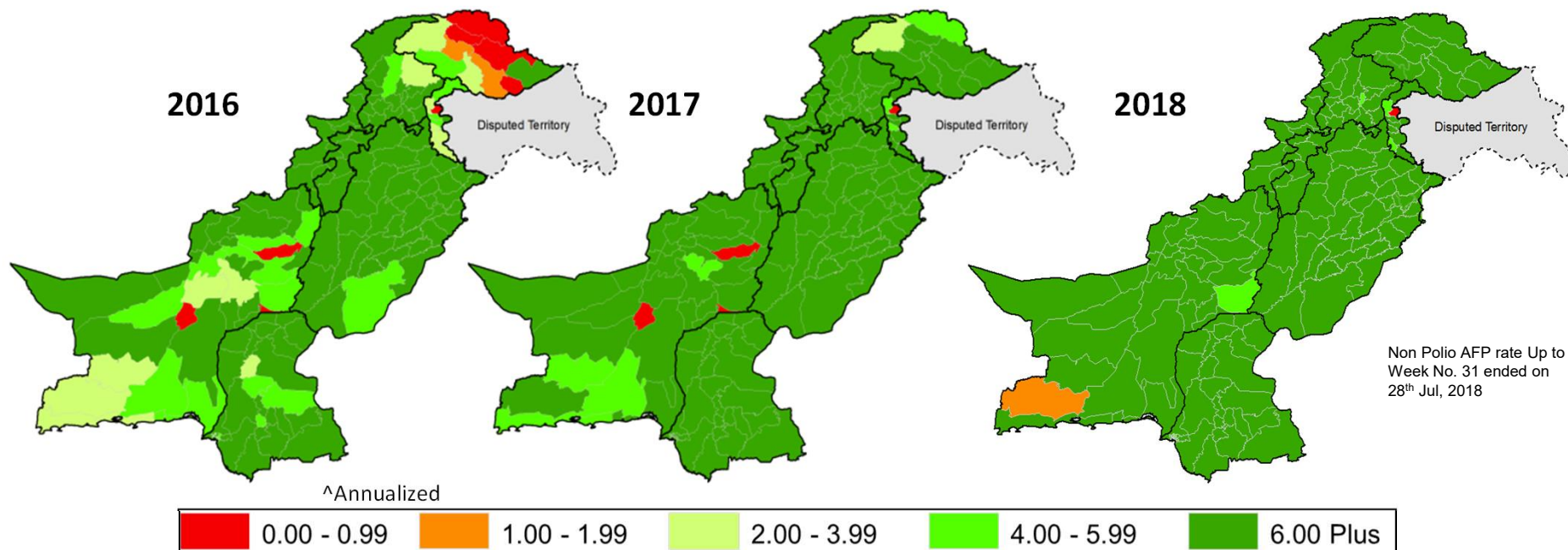


**Graph 6: Percent AFP Cases Investigated within 48 hours of notification  
2016 ~ 2018\*; By Province/Regions**

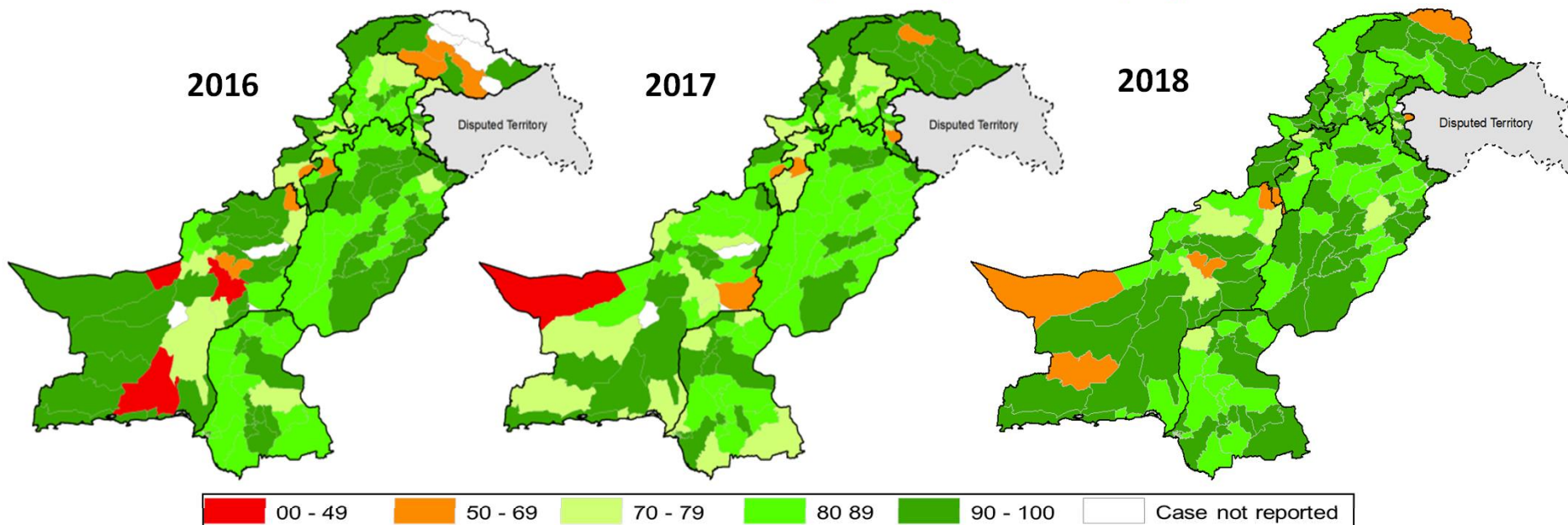


\* Afp.rec Data as of 30-07-2018

## Non-Polio ^ AFP Rate by District



## Percent AFP Cases with Adequate Specimens, by District



**Table 7.4: AFP CASES PENDING FOR CLASSIFICATION  
WITH DATE OF ONSET MORE THAN 90 DAYS\* 2018 Page (1/2)**

S. No	DISTRICT	TEHSIL	EPID	SEX	AGE	DONSET	DOSESE	DSTOOL1	DSTOOL2	LAB	FEVER	ASVM	PROG	FUP	PEND (DAYS)
1	BUNER	BUNER	KP/22/18/012	M	36	07-02-18	7+	06-04-18	07-04-18	NVI	UK	UK	UK		173
2	BAHWLNAGAR	MINCHANABA	PB/73/18/001	M	36	05-01-18	7+	DIED BEFORE STOOL			N	N	Y	DIED	206
3	CHINIOT	LALIAN	PB/54/18/027	M	15	30-04-18	7+	06-05-18		EV	Y	N	Y	DIED	91
4	FAISALABAD	FSD CITY	PB/51/18/133	M	25	17-03-18	7+	LATE NOTIFIED			Y	Y	Y	Y	135
5	GUJRAT	KHARIAN	PB/23/18/038	F	58	11-03-18	7+	DIED BEFORE STOOL			N	N	Y	DIED	141
6	KHUSHAB	NOORPUR THUL	PB/42/18/021	M	156	17-04-18	3	09-05-18	10-05-18	NVI	Y	Y	Y	Y	104
7	KHUSHAB	NOORPUR THUL	PB/42/18/020	M	178	29-04-18	7+	26-05-18	28-05-18	NVI	Y	N	Y		92
8	MBDIN	M.B DIN	PB/24/18/019	F	19	04-02-18	7+	15-03-18	17-03-18	NVI	UK	N	Y	DIED	176
9	MBDIN	PHALIA	PB/24/18/024	M	19	10-03-18	7+	29-03-18	30-03-18	NVI	Y	Y	Y	Y	142
10	MIANWALI	EISAKHAIL	PB/43/18/026	M	24	02-04-18	3	20-04-18	21-04-18	NVI	Y	Y	Y		119
11	RAJANPUR	JAM PUR	PB/82/18/081	M	22	05-04-18	7+	LATE NOTIFIED			Y	Y	Y		116
12	RAJANPUR	JAM PUR	PB/82/18/087	M	20	16-04-18	7+	LATE NOTIFIED			Y	Y	Y	Y	105
13	RYKHAN	RAHIMYAR KHAN	PB/72/18/098	M	27	13-03-18	7+	20-04-18	21-04-18	NVI	N	Y	Y	Y	139
14	SARGODHA	SILANWALI	PB/41/18/025	M	24	08-02-18	7+	27-03-18	28-03-18	NVI	Y	Y	Y	Y	172
15	SARGODHA	SARGODHA	PB/41/18/029	F	24	22-03-18	7+	11-04-18	12-04-18	EV	N	N	Y	Y	130
16	BADIN	TANDO BAGO	SD/23/18/021	M	18	17-03-18	7+	31-03-18	01-04-18	NVI	Y	Y	Y	Y	135
17	BADIN	TALHAR	SD/23/18/019	M	60	23-03-18	7+	31-03-18	17-04-18	NVI	N	N	Y	Y	129
18	GHOTKI	KHAN GARH	SD/42/18/029	F	96	26-03-18	7+	DIED BEFORE STOOL			Y	N	UK	DIED	126
19	HYDERABAD	HYDERABAD RURAL	SD/21/18/025	M	59	22-03-18	7+	06-04-18	07-04-18	NVI	Y	Y	Y	Y	130
20	JACOBABAD	THULL	SD/53/18/018	M	144	01-01-18	7+	LATE NOTIFIED			UK	UK	UK	Y	210
21	KAMBAR	KAMBAR	SD/55/18/040	M	9	19-03-18	7+	LATE NOTIFIED			N	Y	Y	Y	133
22	KASHMORE	KASHMORE	SD/54/18/015	F	80	31-03-18	7+	DIED BEFORE STOOL			Y	N	Y	DIED	121
23	KHAIRPUR	KINGRI	SD/43/18/039	F	24	31-03-18	7+	11-04-18		NVI	Y	Y	Y	DIED	121
24	KHIGADAP	GADAP	SD/63/18/014	M	21	06-01-18	7+	LATE NOTIFIED			Y	Y	UK	Y	205
25	KHIKORANGI	KORANGI	SD/68/18/014	M	120	02-04-18	7+	DIED BEFORE STOOL			Y	N	Y	DIED	119
26	KHINNAZIM	NNAZIM	SD/74/18/012	M	6	15-03-18	7+	12-04-18	13-04-18	VACC	Y	Y	Y	Y	137
27	LARKANA	DOKRI	SD/51/18/034	M	60	18-03-18	7+	08-05-18	09-05-18	NVI	N	Y	Y	Y	134
28	SUJAWAL	SHAH BUNDER	SD/79/18/054	F	6	15-04-18	7+	11-05-18	13-05-18	EV	UK	Y	Y	Y	106
29	UMERKOT	UMERKOT	SD/34/18/031	M	61	16-04-18	7+	DIED BEFORE STOOL			Y	N	Y	DIED	105
30	ABOTABAD	HAWALLIAN	KP/10/18/014	F	119	26-02-18	7+	13-03-18	14-03-18	NVI	Y	Y	Y	Y	154
31	BANNU	BANNU	KP/61/18/020	M	35	11-04-18	7+	02-05-18	05-05-18	NVI	Y	N	Y	Y	110
32	BATAGRAM	BATTAGRAM	KP/11/18/013	F	84	15-01-18	7+	LATE NOTIFIED			Y	N	Y	Y	196
33	CHARSADA	CHARSADDA	KP/31/18/051	M	18	03-04-18	7+	18-04-18	19-04-18	NVI	Y	Y	Y	Y	118
34	CHARSADA	CHARSADDA	KP/31/18/055	F	42	18-04-18	7+	25-04-18		NVI	Y	N	Y	DIED	103
35	CHARSADA	TANGI	KP/31/18/059	M	16	08-04-18	7+	25-04-18	26-04-18	NVI	Y	Y	UK	Y	113
36	CHITRAL	CHITRAL	KP/21/18/019	F	156	26-03-18	7+	LATE NOTIFIED			Y	N	Y		126
37	DIKHAN	PHARPUR	KP/60/18/037	M	29	15-04-18	7+	19-05-18	21-05-18	EV	Y	Y	Y	Y	106
38	DIRLOWER	SAMAR BAGH	KP/23/18/060	M	27	27-03-18	7+	LATE NOTIFIED			Y	Y	Y	Y	125
39	DIRLOWER	TIMERGARA	KP/23/18/066	M	18	25-04-18	7+	LATE NOTIFIED			Y	Y	Y	Y	96
40	KOHAT	KOHAT	KP/50/18/034	M	8	22-03-18	7+	LATE NOTIFIED			N	N	Y		130
41	KOHISTAN	DASSU	KP/13/18/006	M	164	25-02-18	7+	21-03-18	22-03-18	NVI	Y	N	N	Y	155
42	LAKKIMRWT	SERAI NAURANG	KP/62/18/019	M	10	20-02-18	7+	25-03-18	26-03-18	EV	Y	Y	Y	Y	160

\* Afp.rec Data as of 30-07-2018

€ Based on recall of parents

60 days Follow-up not done

FUP = Residual Weakness at 60 days follow up.

**Table 7.4: AFP CASES PENDING FOR CLASSIFICATION  
WITH DATE OF ONSET MORE THAN 90 DAYS\* 2018 Page (2/2)**

S. No	DISTRICT	TEHSIL	EPID	SEX	AGE	DONSET	DOSESE	DSTOOL1	DSTOOL2	LAB	FEVER	ASVM	PROG	FUP	PEND (DAYS)
43	LAKKIMRWT	LAKKI MARWAT	KP/62/18/042	F	12	07-04-18	7+	23-05-18	24-05-18	NVI	Y	Y	Y	Y	114
44	LAKKIMRWT	LAKKI MARWAT	KP/62/18/035	M	20	28-02-18	7+				Y	Y	Y	Y	152
45	LAKKIMRWT	LAKKI MARWAT	KP/62/18/052	M	21	23-03-18	7+	LATE NOTIFIED			UK	Y	Y	Y	129
46	LAKKIMRWT	LAKKI MARWAT	KP/62/18/056	F	12	15-04-18	7+				UK	N	Y	Y	106
47	LAKKIMRWT	SERAI NAURANG	KP/62/18/060	M	3	27-04-18	0	01-07-18	02-07-18	NVI	N	N	Y		94
48	MARDAN	MARDAN	KP/40/18/036	M	6	04-02-18	7+	08-03-18	09-03-18	VACC	N	Y	Y	Y	176
49	MARDAN	TAKHT BAH	KP/40/18/067	M	37	07-03-18	7+	24-04-18	25-04-18	EV	Y	N	Y	Y	145
50	MARDAN	MARDAN	KP/40/18/079	M	57	24-04-18	7+	10-05-18	11-05-18	NVI	Y	Y	Y	Y	97
51	MARDAN	MARDAN	KP/40/18/080	M	120	20-04-18	7+	11-05-18	13-05-18	NVI	N	Y	Y	Y	101
52	MARDAN	MARDAN	KP/40/18/084	M	101	13-04-18	7+	17-05-18	18-05-18	EV	Y	Y	Y	Y	108
53	NOWSHERA	NOWSHERA	KP/32/18/038	M	18	20-04-18	7+	04-05-18	05-05-18	NVI	Y	Y	N	Y	101
54	NOWSHERA	NOWSHERA	KP/32/18/051	M	13	27-04-18	7+	06-06-18	07-06-18	EV	Y	Y	Y	Y	94
55	PESHAWAR	PESHAWAR	KP/30/18/064	M	36	06-02-18	7+	18-03-18	19-03-18	VACC	Y	Y	Y	Y	174
56	PESHAWAR	PESHAWAR	KP/30/18/109	F	9	12-04-18	7+	08-05-18		NVI	N	N	UK	DIED	109
57	PESHAWAR	PESHAWAR	KP/30/18/113	M	16	03-04-18	7+	12-05-18	13-05-18	EV	N	Y	Y	Y	118
58	PESHAWAR	PESHAWAR	KP/30/18/161	M	40	16-03-18	7+				Y	Y	Y	Y	136
59	SWABI	RAZAR	KP/41/18/069	F	15	18-04-18	7+	LATE NOTIFIED			N	Y	Y	Y	103
60	SWABI	LAHORE	KP/41/18/074	F	96	11-04-18	0				N	Y	Y	Y	110
61	SWAT	CHARBAGH	KP/24/18/034	M	11	04-04-18	7+	20-04-18	21-04-18	VACC	Y	Y	Y	Y	117
62	TANK	TANK	KP/63/18/019	M	11	27-04-18	7+	LATE NOTIFIED			N	Y	Y		94
63	CHAGHAI	DALBANDIN	BN/13/18/004	M	42	23-04-18	6	07-05-18	08-05-18	EV	Y	Y	Y	Y	98
64	KABDULAH	CHAMAN	BN/14/18/005	F	12	07-02-18	7+	DIED BEFORE STOOL			Y	N	Y	DIED	173
65	KHARAN	KHARAN	BN/52/18/004	F	36	31-01-18	7+	LATE NOTIFIED			UK	UK	N		180
66	SOHBATPUR	SOHBAT PUR	BN/66/18/004	M	48	16-03-18	7+	25-04-18	26-04-18	NVI	Y	Y	Y	Y	136
67	BAGH	BAGH	AJ/50/18/004	F	66	10-02-18	7+	21-02-18	26-02-18	NVI	N	Y	UK	Y	170
68	HAVELI	HAVAILI	AJ/51/18/003	M	14	04-04-18	7+	09-04-18		NVI	Y	Y	Y	DIED	117
69	KOTLI	FATHEH PUR	AJ/30/18/015	M	44	30-04-18	7+	08-06-18		NVI	N	Y	Y	Y	91
70	POONCH	ABBASPUR	AJ/40/18/007	M	24	20-01-18	7+	07-02-18	08-02-18	NVI	Y	Y	Y	Y	191
71	POONCH	THORAR	AJ/40/18/016	M	115	22-01-18	7+	23-03-18	24-03-18	NVI	N	N	N	Y	189
72	POONCH	HAJIRA	AJ/40/18/023	M	3	17-01-18	5	LATE NOTIFIED			N	Y	Y	Y	194
73	SUDNUTI	BALUCH	AJ/57/18/004	F	156	04-01-18	7+	27-01-18	29-01-18	NVI	N	N	Y	Y	207
74	HUNZA	ALIABAD	GB/72/18/001	F	12	15-01-18	7+	04-03-18	05-03-18	NVI	UK	Y	UK		196
75	KHYBER	BARA	FT/34/18/031	M	10	15-02-18	7+	14-03-18	15-03-18	NVI	Y	Y	Y	Y	165
76	KHYBER	JAMRUD	FT/34/18/032	F	15	10-02-18	7+	18-03-18	19-03-18	NVI	N	Y	Y	Y	170
77	KURRAM	LOWER KURRAM	FT/52/18/008	F	12	18-02-18	6	27-03-18	28-03-18	VACC	N	N	Y	Y	162
78	WAZIR-N	MIR ALI	FT/64/18/019	F	12	13-02-18	7+	DIED BEFORE STOOL			Y	N	Y	DIED	167
79	WAZIR-N	MIRAN SHAH	FT/64/18/028	M	10	08-04-18	7+	LATE NOTIFIED			Y	Y	Y	Y	113

\* Afp.rec Data as of 30-07-2018

€ Based on recall of parents

60 days Follow-up not done

FUP = Residual Weakness at 60 days follow up.