



**World Health
Organization**

Weekly AFP Surveillance Update Pakistan

Week 42 (*Ended on 21st October, 2017*)

National Surveillance Cell

World Health Organization Country Office,
Chak Shahzad, Park Road,
Islamabad, Pakistan

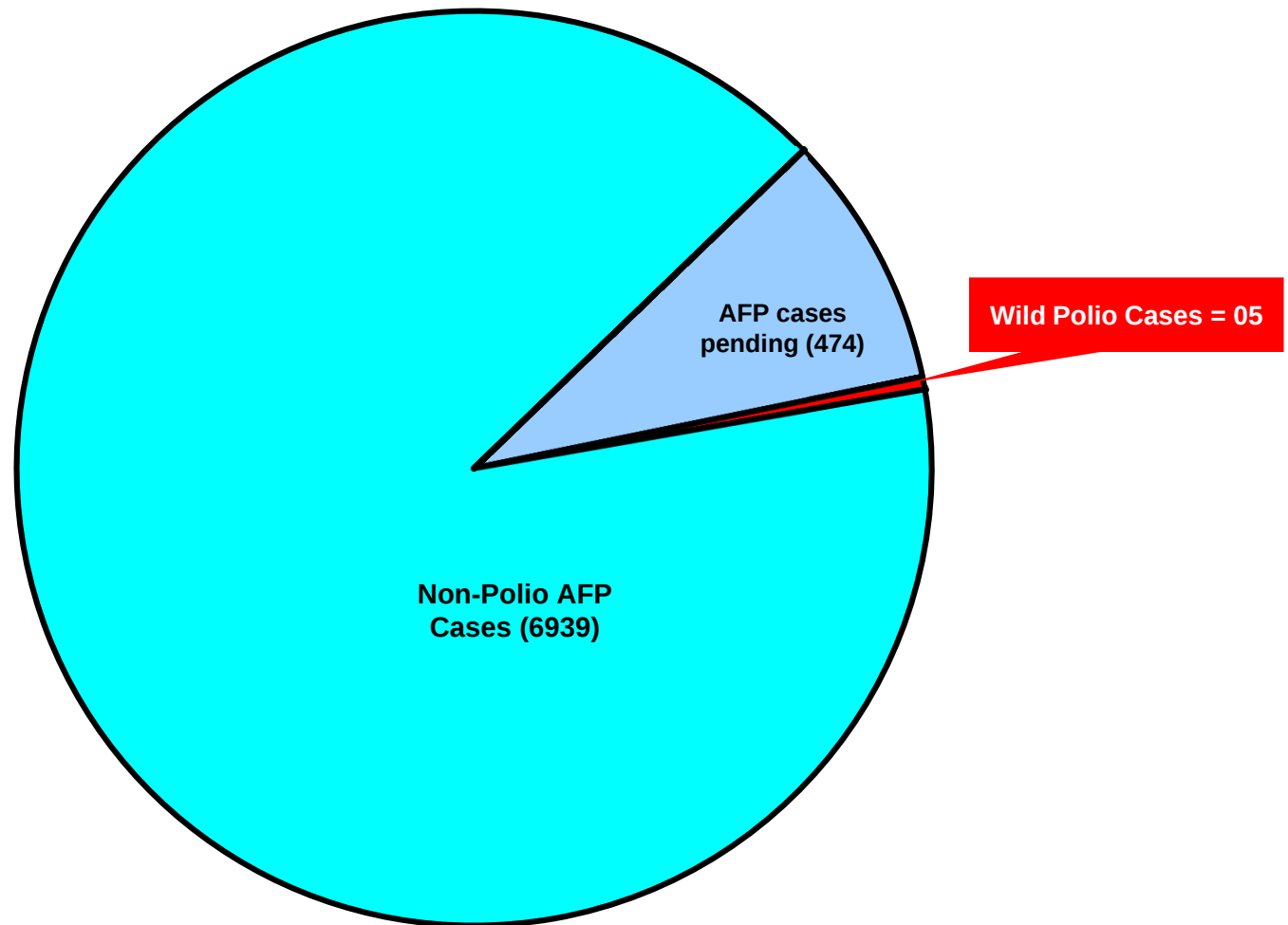
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AFP Surveillance



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

AFP Case Profile, 2017*



Total AFP Cases Reported = 7418

^ 239 Inadequate cases not due for FUP

^ 235 cases Pending in the Lab

^ 110 AFP Cases pending for classification by ERC

* Afp.rec Data as of 23-10-2017

Point in time comparison of Polio Cases by Province/Region 2016 - 2017*

Region/ Province	No. of polio cases		No. of infected districts/towns		Most recent polio case
	2016	2017	2016	2017	
Khyber Pakhtunkhwa	08	01	06	01	21-Aug-17
Sindh	07	01	05	01	11-Aug-17
Balochistan	01	01	01	01	11-June-17
G-Baltistan	0	01	0	01	13-Feb-17
Punjab	0	01	0	01	28-Jan-17
FATA / FR Areas	02	0	01	0	27-Jul -16
Pakistan	18	05	13	05	21-Aug-17

Fourteen additional district / town declared infected based on environmental samples in 2017

* Afp.rec Data as of 23-10-2017

Table 1.1: List of Confirmed Polio Cases, Pakistan 2017* (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	WPPV TYPE	GENETICS
								Routine	SIA's						Cluster
01	PUNJAB	LODHRAN	DUNYAPUR	PB/64/17/008	M	4	28-Jan-17	2	5	Y	Y	Y	N	NSL1	R4B1C2
02	GBALTISTAN	DIAMIR	THORE HUDUR	GB/31/17/002	M	12	13-Feb-17	0	0	Y	Y	Y	N	NSL1	R4B5C4
03	BALUCHISTAN	KABDULAH	CHAMAN	BN/14/17/024	M	18	11-June-17	0	3	Y	Y	Y	N	NSL1	R4B5C3
04	SINDH	KHGIQBAL	G-IQBAL	SD/65/17/018	M	7	11-Aug-17	3	1	Y	N	Y	N	NSL1	R4B5C4
05	KPAKHTUNKHWA	LAKKIMRWT	LAKKIMRWT	KP/62/17/025	F	24	21-Aug-17	3	7+	Y	Y	Y	N	NSL1	R4B1C1

* Afp.rec Data as of 23-10-2017

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

Basic information											OPV doses				Urgent		Prov Diagnosis	Lab update			Remarks
S. #	District	Tier	Tehsil	Union council	Epid number	Date of Onset	Age (M)	Sex	Date of 1st stool	Stool Adeq	RI	SAs	Last 6 SAs	Last dose	Field	NSC		Lab No.	Days	Culture update	
																Y			Inoc	update	
Isolates pending for ITSD																					
1	CHAGHAI	4	DALBANDIN	PAT-E-	BN/13/17/007-C3		56	F	12-Oct-17	-	-	-	-	-	-	N	-	-	10671	4	L20B+
Reported urgent (by field / NSC criteria)																					
2	PISHIN	1	PISHIN	DUB KHAN QZAI	BN/12/17/027	03-Oct-17	36	M	08-Oct-17	Y	0	4	2	22-Sep-17	Y	Y	POLIO/SEPTIC ARTHRITIS	10605	10	UP	REFUSAL
3	CHAGHAI	4	DALBANDIN	PAT-E-	BN/13/17/007	31-Aug-17	14	F	06-Oct-17	N	2	7	6	17-May-17	N	N	ACUTE CHILDHOOD HEMIPLEGIA	10604	10	UP	Index of C-3
4	ZHOB *	4	ZHOB	SAMBAZA	BN/21/17/017	05-Oct-17	12	F	12-Oct-17	Y	0	0	0		Y	Y	CEREBRAL MALARIA (MENINGITIS)	10722	6	UP	SERVICE DELIVERY ISSUES
5	KURRAM	2	CENTRAL KURRAM	MANATOO	FT/52/17/020	06-Oct-17	8	M	09-Oct-17	Y	2	4	4	18-Sep-17	N	Y	BRACHIAL PLEXUS INJURY	10575	10	UP	
6	ORAKZAI	2	CENTRAL ORAKZAI	MISHTI MELA	FT/53/17/023	04-Oct-17	7	F	10-Oct-17	Y	0	5	4	20-Sep-17	N	Y	ACUTE CHILD ARTHRITIS	10578	10	UP	
7	NOWSHERA	2	#	#	KP/32/17/067	06-Oct-17	27	M	11-Oct-17	Y	#	#			Y	#		10619	9	UP	
8	KASHMORE *	4	TANGWANI	DUNIAPUR	SD/54/17/034	17-Sep-17	2	M	06-Oct-17	N	2	1	1	05-Aug-17	N	Y	MONOPLEGIA	1070n	8	UP	
9	KHISADDAR *	4	SADDAR	GARDEN - 2	SD/77/17/027	12-Oct-17	3	F	14-Oct-17	Y	1	4	4	23-Sep-17	N	Y	AGE HYPOKALEMIA	10759	9	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

OPending for genomic sequencing

Environmental Surveillance Results, Pakistan (last 52 weeks)

Sites	Proportion of WPV samples								2016												2017																
	2014		2015		2016		2017		Last 52 Weeks		Oct		Nov		Dec		Jan		Feb		Mar		Apr		May		June		July		Aug		Sep		Oct		
	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n			
PUNJAB																																					
LAHORE																																					
Gulshan Ravi Station	33	0	9	0	0	0	0	0	0	0																											
Multan Road Station	17	17	8	0	0	0	0	0	0	0																											
Outfall Pump Station F	50	8	8	0	0	0	0	0	0	0																											
Outfall Pump Station G	50	0	0	0	0	0	0	0	0	0																											
Outfall Pump Station H	50	0	0	0	0	0	0	0	0	0																											
MULTAN																																					
Ali Town	6	11	6	4	1	19	3																														
Kotli A. Fateh	9	8	0	0	0	0	0	0	0	0																											
Sural Miani	8	18	0	0	0	0	0	0	0	0																											
DG KHAN																																					
Sabzi Mandi	0	0	0	0	0	0	0	0	0	0																											
Main Disposal	0	0	0	0	0	0	0	0	0	0																											
Wagar Canteen Disposal	0	0	0	0	0	0	0	0	0	0																											
FAISALABAD																																					
Pump Station 03	0	0	17	0	0	0	0	0	0	0																											
Pump Station 27	0	0	0	0	0	0	0	0	0	0																											
Ismail City Road	0	0	0	0	0	0	0	0	0	0																											
Pump Station 36	0	0	0	0	0	0	0	0	0	0																											
SARGODHA																																					
Silanwali	0	0	0	0	0	0	0	0	0	0																											
BAHAWALPUR																																					
Lal Bath & Tibba Bahadur	0	0	0	0	0	0	0	0	0	0																											
RAWALPINDI																																					
Dhok Dallah	41	19	17	39	7	60	9																														
Safdarabad	50	31	8	22	2	50	3																														
Chakora Nulla	33	8	25	56	2	67	6																														
Salazarabad	15	0	56	5	63	5																															
ISLAMABAD																																					
CDA	18	0	56	5	0	5																															
Sabzi Mandi	18	0	56	5	63	5																															
SINDH																																					
KHI (BALDIA)																																					
Composit Site	47	28	10	30	36	35	37																														
Salian Goth	50	8	4	10	1	14	1																														
Muhammad Khan Colony	50	15	9	0	0	0	0																														
KHI (G.IQBAL)	50	0	0	10	1	25	0																														
Chakora Nulla	54	27	8	28	5	36	5																														
Rashid Minhas Rd	42	17	0	33	3	43	2																														
KHI (GADAAP)	67	40	17	22	2	43	2																														
Khamiso Goth	51	33	11	61	17	61	17																														
Macchar Colony	42	25	8	33	3	36	3																														
Sorab Goth	45	25	17	80	8	80	8																														
KHI (LANDHI)	67	30	9	60	0	60	0																														
Bakhtawar Village	17	56	5	67	6	6																															
KHI (KORANGI)	17	56	5	67	6	6																															
Composit Korang Nalla	0	0	0	0	0	0	0																														
KHI (SITE)	0	30	3	43	3																																
Orangi Nalla	0	30	3	43	3																																
HYDERABAD																																					
Tulidas P. Station	58	17	6	0	0	0	0																														
Suru Nagar Nala	58	17	0	0	0	0	0																														
Police line Nala	0	0	0	0	0	0	0																														
JACOBABAD																																					
Saidpur Pumping Station	57	45	25	22	2	29	2																														
Sukkur	57	45	25	22	2	29	2																														
Makka P. Station	21	25	12	11	2	17	2																														
Miani P. Station	25	17	23	11	1	17	1																														
DADU	17	33	11	0	0	0	0																														
Massan Malla	0	0	0	0	0	0	0																														
SANGHAR																																					
Dhak Paro	0	0	0	0	0	0	0																														
KAMBAR	11	1	25	1																																	
Shahdadkot	11	1	25	1																																	
KP																																					
Lara Ma	59	20	12	4	5	15	8																														
Shahen Town	59	35	27	28	5	50	8																														
Dandu Pul (Naray Khwar) Musazai	50	31	8	0	0	17	1																														
DI Khan	67	67	75	56	0	68	0																														
Bus Stand Drain (Cantt)	67	0	0	0	0	0	0																														
MODC Drain	8	2	0	0	0	0	0																														
Sher Pao Basti Drain	0	0	0	0	0	0	0																														
Zafar Abad Drain	20	0	0	0	0	0	0																														
Composite Bus Stand & MODC Drain	0	10	0	0	0	0	0																														
Composite Sherpao & Zafar Abad Drain	0	0	0	0	0	0	0																														
BANNU																																					
Hinjal Noorebad	0	0	0	0	0	0	0																														
KOHAT																																					
Faqirabad	0	0	0	0	0	0	0																														
CHARSADA	0	0	0	0	0	0	0																														
Composit Shahjahan and Majoki	0	0	0	0	0	0	0																														
MARIDAN																																					
Composit Chak and Parhoti	0	0	0	0	0	0	0																														
NOWSHERA																																					
Milli Colony	0	0	0	0	0	0	0																														
BALOCHISTAN																																					
QUETTA	48	31	29	30	28	59	36																														
Jam-e-Saltan	42	42	29	28	10	60	15																														
Killi Jattak	26	33	13	56	5	75	3			</																											

Table 2: LAB Update 2017*

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	%
January	751	595	0	0	56	7	99	13%	1	750	100%
February	774	621	0	0	44	6	108	14%	1	773	100%
March	831	643	0	0	53	6	135	16%	0	831	100%
April	819	585	0	0	47	6	187	23%	0	819	100%
May	912	686	1	0	50	5	175	19%	0	911	100%
June	672	460	0	0	17	3	194	29%	1	671	100%
July	894	573	1	0	23	3	297	33%	0	893	100%
August	854	535	9	1	19	2	289	34%	2	843	99%
September	822	443	71	0	59	7	250	30%	0	752	91%
October	329	20	305	0	1	0	9	3%	0	30	9%
Pakistan	7658	5161	387	1	369	5	1743	23%	05	7273	95%

*Data as of 23-10-2017

Comparison of Environmental Sampling Results, 2016-17*

DISTRICT	2016					2017					Last
	TOTAL	WILD				TOTAL	WILD				
		GRAB	BMFS	TOTAL			GRAB	BMFS	TOTAL		
				n	%				n	%	
LAHORE	52	2	1	3	6%	46			0	0%	18-Oct-16
MULTAN	29			0	0%	27	1		1	4%	9-Jan-17
DGKHAN	27	1		1	4%	27			0	0%	12-May-16
RAWALPINDI	21	1	1	2	10%	20	5	2	7	35%	15-Aug-17
FAISALABAD	31	1	1	2	6%	19			0	0%	2-Jul-16
SARGODHA *				0		9			0	0%	
BAHAWALPUR *				0		9			0	0%	
CDA	10			0	0%	9	5		5	56%	10-Jul-17
KHIGIQBAL	21	1	1	2	10%	20	4	1	5	25%	11-Sep-17
KHIGADAP	30	4		4	13%	28	17		17	61%	11-Oct-17
KHIBALDIA	20	1		1	5%	10	1		1	10%	8-Aug-17
KHILANDHI	4			0		9	5		5	56%	19-Sep-17
KHIKORANGI *				0		9			0	0%	
KHISITE *				0		10	3		3	30%	3-Oct-17
SUKKUR	23	2	1	3	13%	23	1	1	2	9%	19-Sep-17
HYDERABAD	14	1		1	7%	9			0	0%	5-Jan-16
JACOBABAD	14		3	3	21%	10	1	1	2	20%	11-Sep-17
SANGHAR *				0		9			0	0%	
DADU *				0		10			0	0%	
KAMBAR *				0		9	1		1	11%	15-Aug-17
PESHAWAR	32	6	1	7	22%	21	3	2	5	24%	10-Jun-17
DIKHAN	40	1		1	3%	17			0	0%	16-Jul-16
BANNU *				0		7			0	0%	
KOHAT *				0		8			0	0%	
CHARSADA *				0		9			0	0%	
MARDAN *				0		9			0	0%	
NOWSHERA *				0		9			0	0%	
KABDULAH	20	3		3	15%	19	12		12	63%	2-Oct-17
QUETTA	44	9		9	20%	37	9	1	10	27%	28-Jul-17
PISHIN	6	4		4	67%	10	5		5	50%	2-Oct-17
KHUZDAR *				0		9			0	0%	
LORALAI *				0		9	1		1	11%	17-Sep-17
ZHOB *				0		9			0	0%	
PAKISTAN	438	37	9	46	11%	495	74	8	82	17%	11-Oct-17

* New addition in Env Surveillance Network

2017 – 49 Environmental samples are under process)

New Env positive sample

* Data as of October 23, 2017

WPV and cVDPV Cases by District in 2017

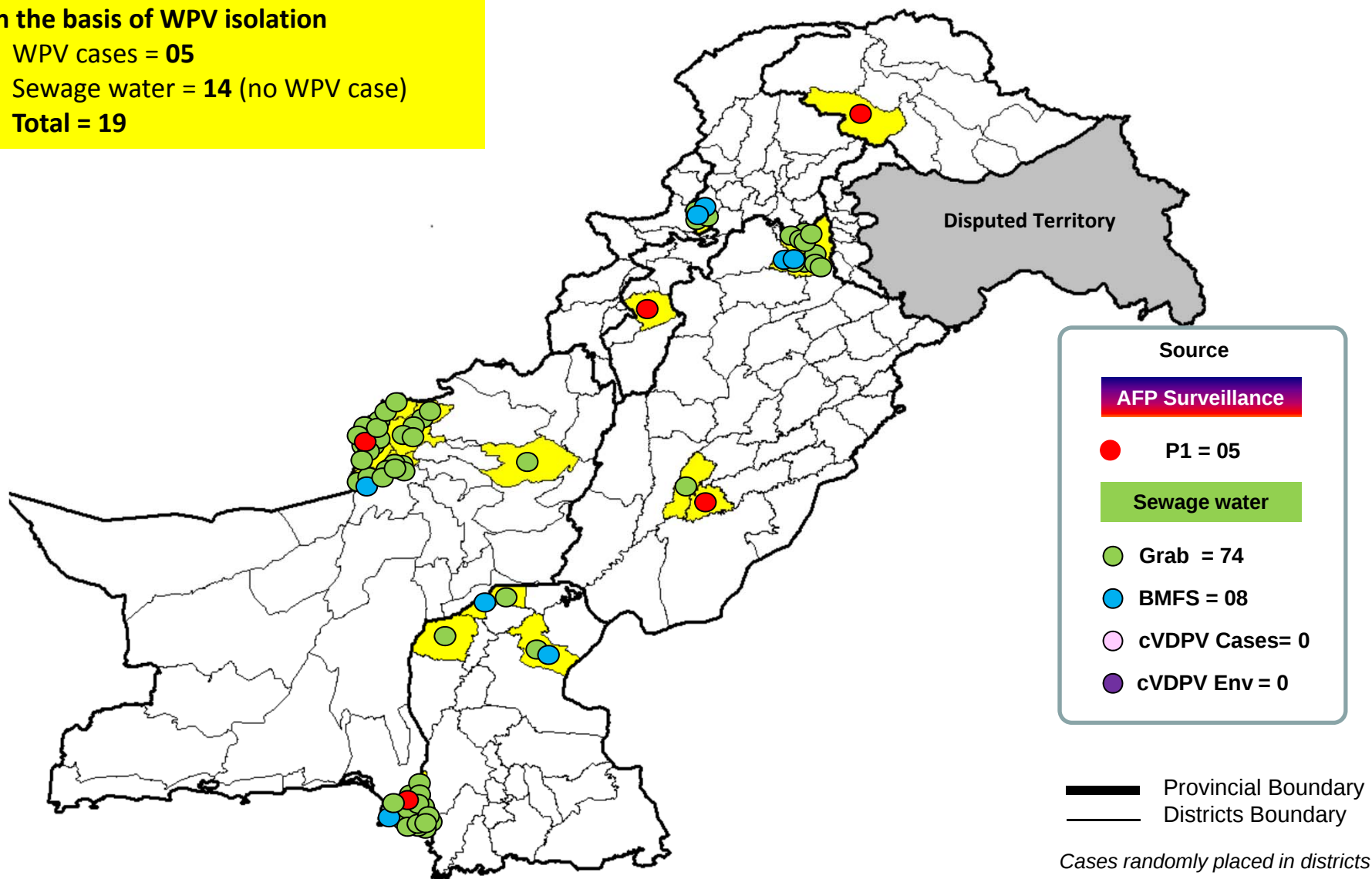
PROVINCE	DISTRICT	WPV Cases		cVDPV Cases	
		Onset of Last Case	Cases	Onset of Last Case	Cases
KPAKHTUNKHWA	LAKKIMRWT	21-Aug	1		
Total		21-Aug	01		
SINDH	KHIGIQBAL	11-Aug	1		
Total		11-Aug	01		
BALUCHISTAN	KABDULAH	11-June	1		
Total		11-June	01		
G-Baltistan	DIAMIR	13-Feb	1		
Total		13-Feb	01		
PUNJAB	LODHRAN	28-Jan	1		
Total		28-Jan	01		
PAKISTAN		21-Aug	05		

Map 2: Wild Polio virus isolates and cVDPV, 2017*

Infected districts/Towns/Agencies/Areas

On the basis of WPV isolation

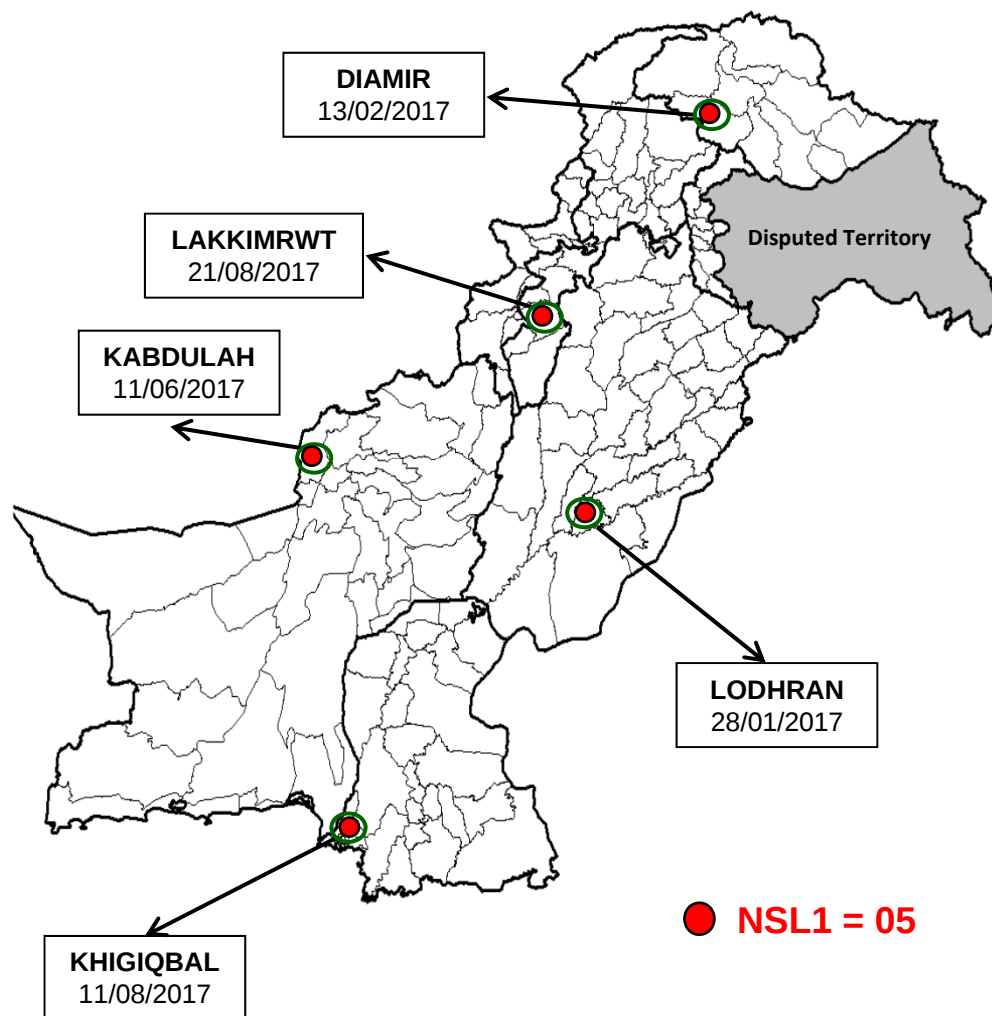
- WPV cases = 05
- Sewage water = 14 (no WPV case)
- Total = 19



* Afp.rec Data as of 23-10-2017

Map1: Distribution of Wild Polio Cases Pakistan 2017*

Districts/Towns with Wild Polio Cases = 05



Province/ Country	Date of Last Case		Number of cases 2017	
	P1	P3	P1	P3
FATA	Jul, 2016	Apr, 2012	-	-
KHYBER-PAKHTUNKHWA	Aug, 2017	Oct, 2010	01	-
SINDH	Aug, 2017	Jan, 2010	01	-
BALUCHISTAN	Jun, 2017	Apr, 2010	01	-
PUNJAB	Jan, 2017	Jun, 2010	01	-
AJK	Jun, 2000	Jun, 2000	-	-
GILGIT-BALTISTAN	Feb, 2017	-	01	-
ISLAMABAD	Sep, 2008	Sep, 2008	-	-
PAKISTAN	Aug, 2017	Apr, 2012	05	-

○ District with last polio case in province

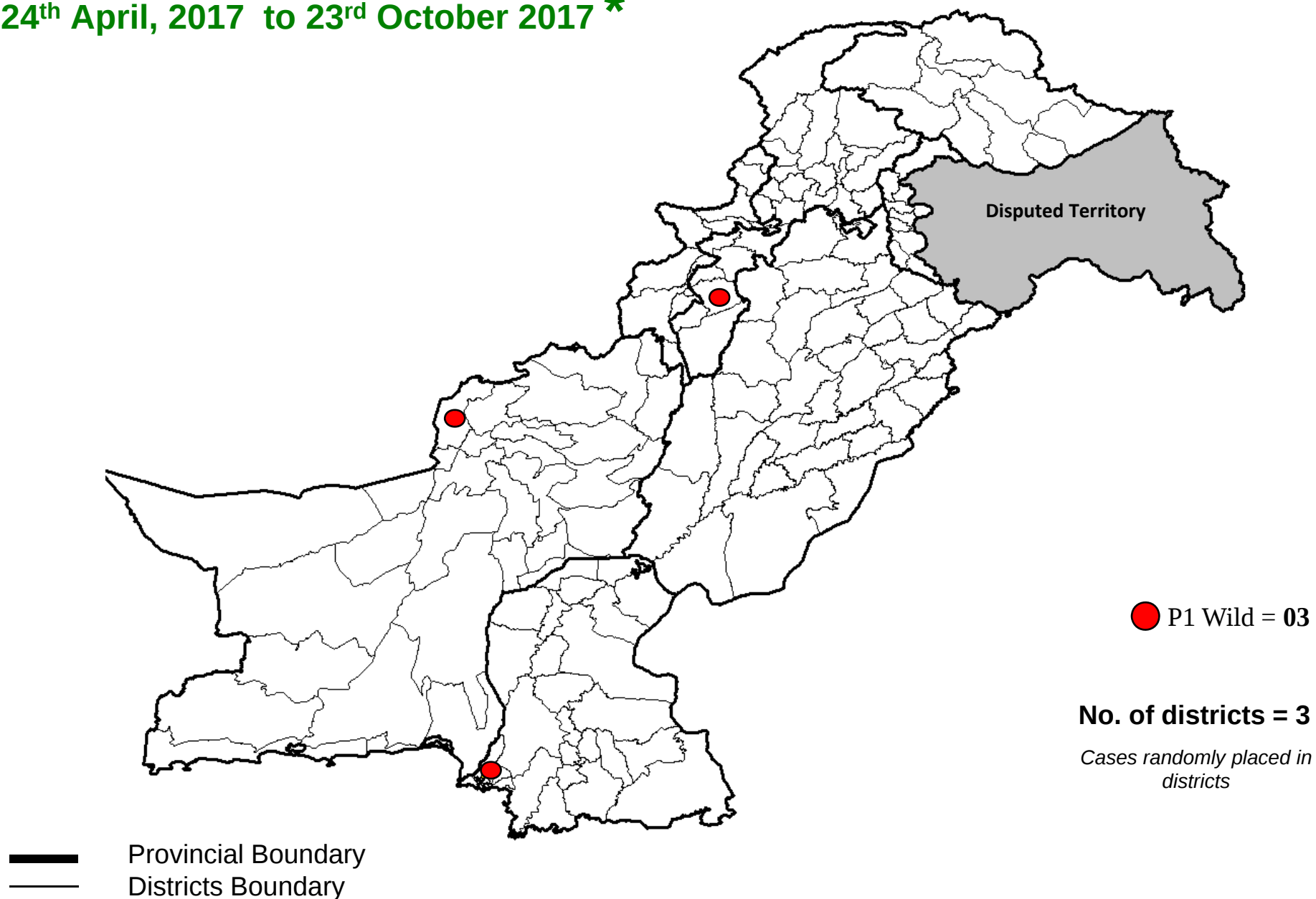
— Provincial Boundary
— Districts Boundary

Cases randomly placed in districts

* Afp.rec Data as of 23-10-2017

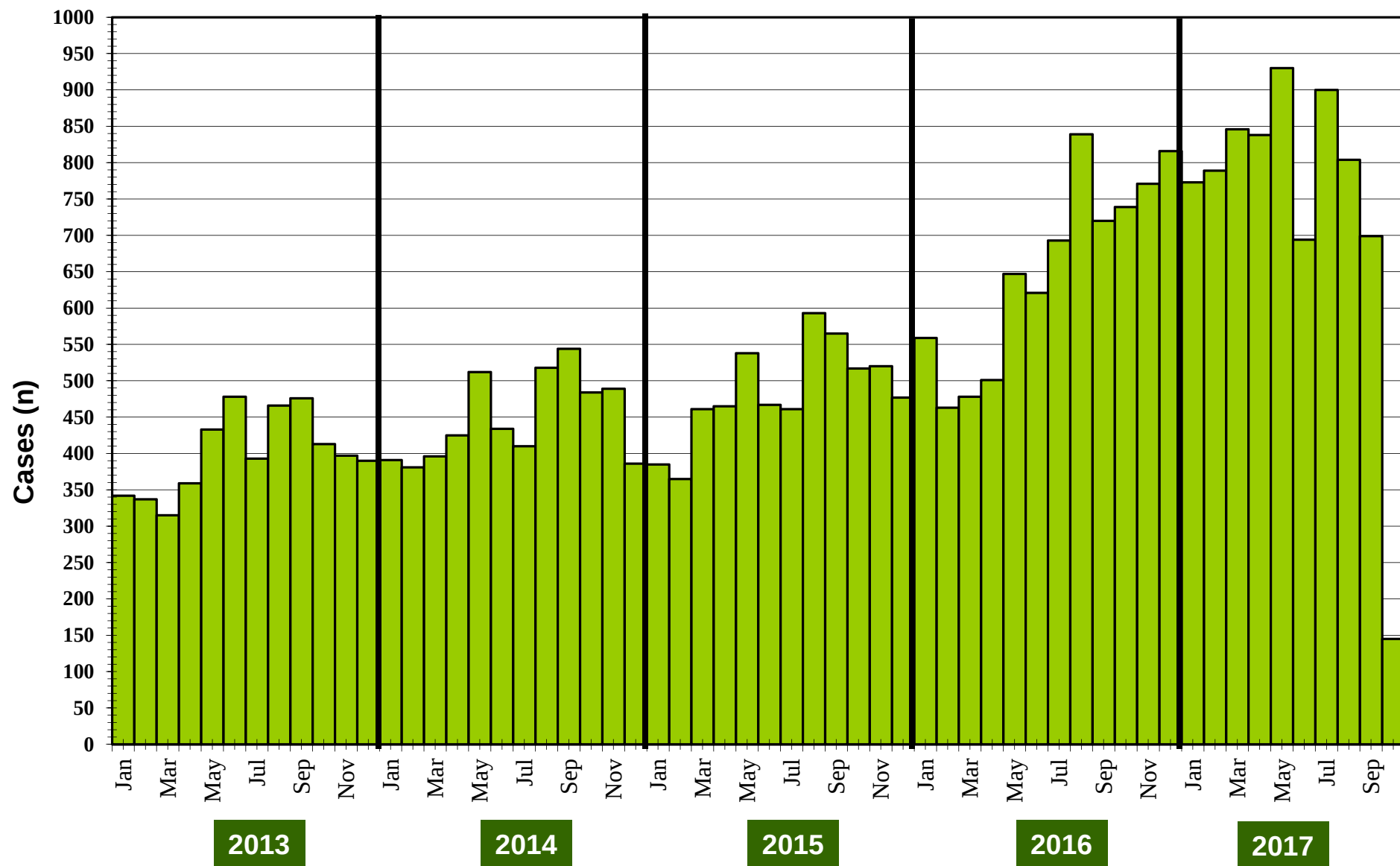
Map 3: Wild Polio cases in the last 6 months

24th April, 2017 to 23rd October 2017 *



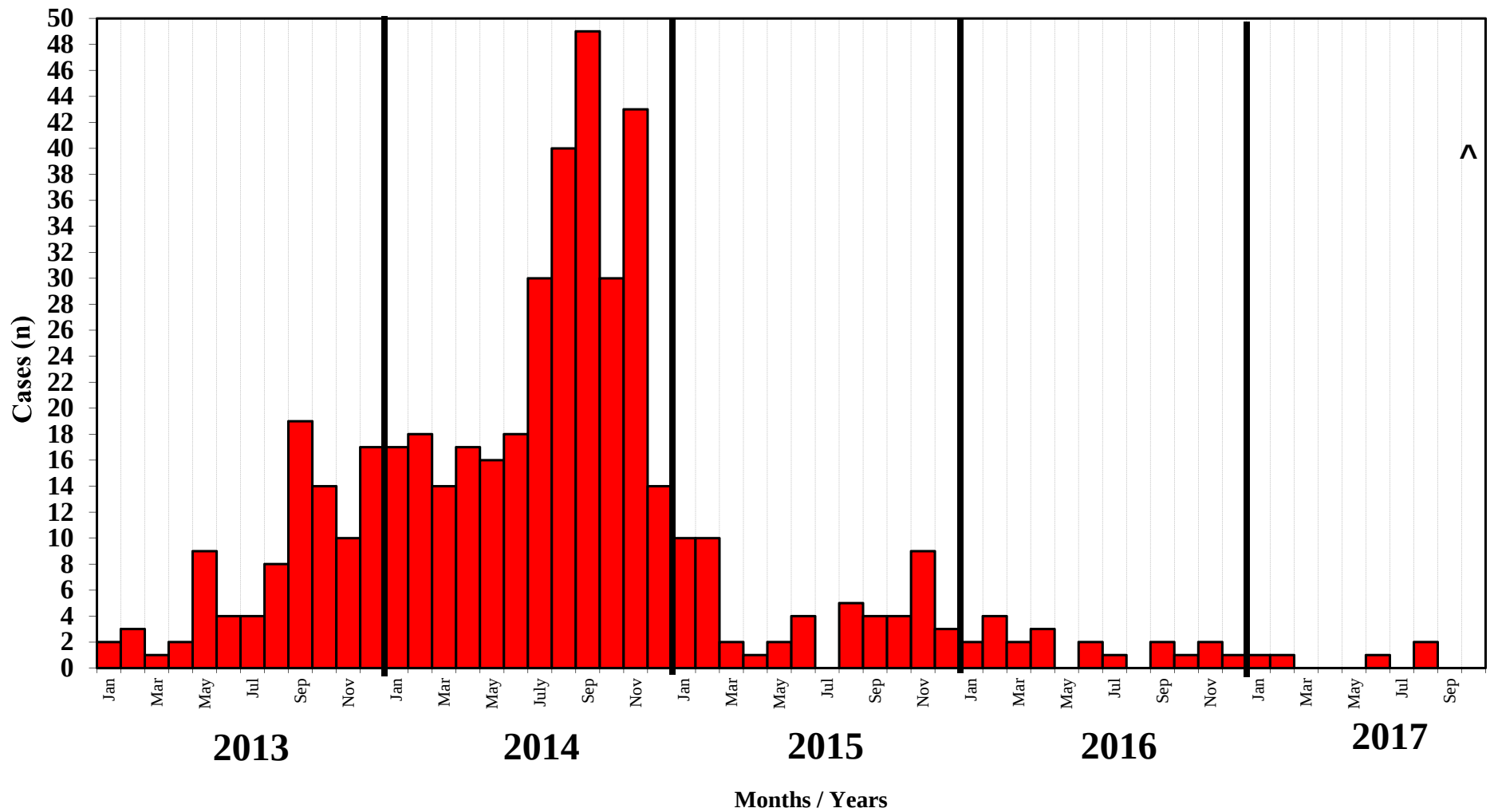
* Afp.rec Data as of 23-10-2017

Graph 1: Distribution of AFP Cases by Month, Pakistan 2013-2017*



* Afp.rec Data as of 23-10-2017

Confirmed Polio Cases 2013-2017*



NSL1

^ Data incomplete

* Afp.rec Data as of 23-10-2017

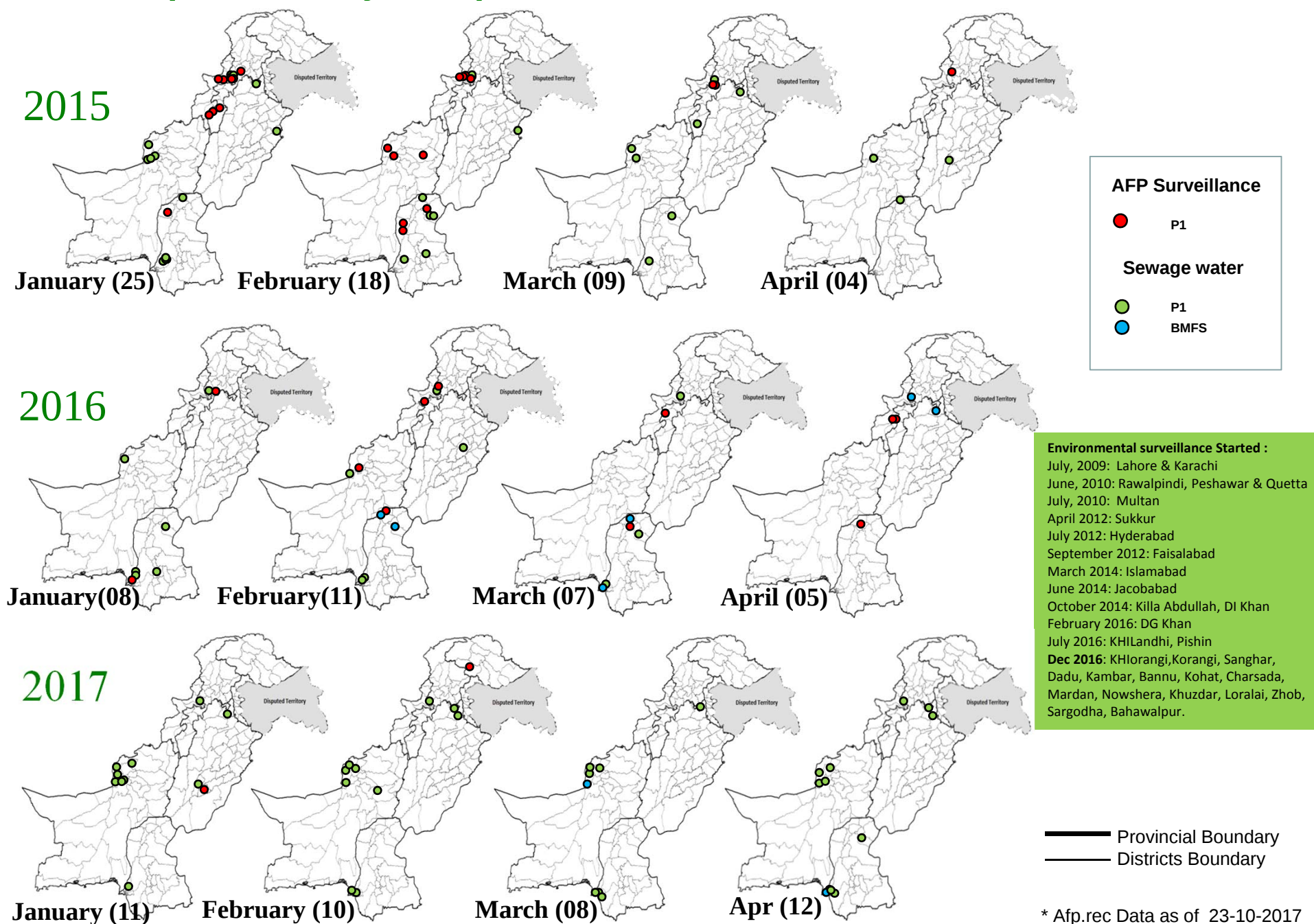
**Table 4: Distribution of AFP Cases By Week of Onset ^
Pakistan- 2017* [Week number / Ending on]**

PROVINCE	W 27 08 Jul 2017	W 28 15 Jul 2017	W 29 22 Jul 2017	W 30 29 Jul 2017	W 31 05 Aug 2017	W 32 12 Aug 2017	W 33 19 Aug 2017	W 34 26 Aug 2017	W 35 02 Sep 2017	W 36 09 Sep 2017	W 37 16 Sep 2017	W 38 23 Sep 2017	W 39 30 Sep 2017	W 40 07 Oct 2017	W 41 14 Oct 2017
PUNJAB	91	96	101	114	101	79	85	87	71	85	70	72	73	54	6
SINDH	43	45	47	45	43	45	37	40	23	47	41	48	23	44	9
FATA	15	15	16	9	9	13	11	16	11	7	21	18	8	10	5
BALUCHISTAN	5	8	13	13	9	11	16	11	10	14	18	13	8	12	1
AJK	3	10	3	4	2	2	3	2	2	2	2	1	5	7	1
GILGIT BILTISTAN	0	0	0	1	1	5	3	2	0	1	5	2	2	1	0
ISLAMABAD	0	2	1	2	1	4	2	3	2	5	2	2	0	3	1
KPAKHTUNKHWA	39	26	35	39	42	40	36	38	35	51	53	47	44	39	12
PAKISTAN	196	202	216	227	208	199	193	199	154	212	212	203	163	170	35

* Afp.rec & Afplab.rec: Data as of 23-10-2017

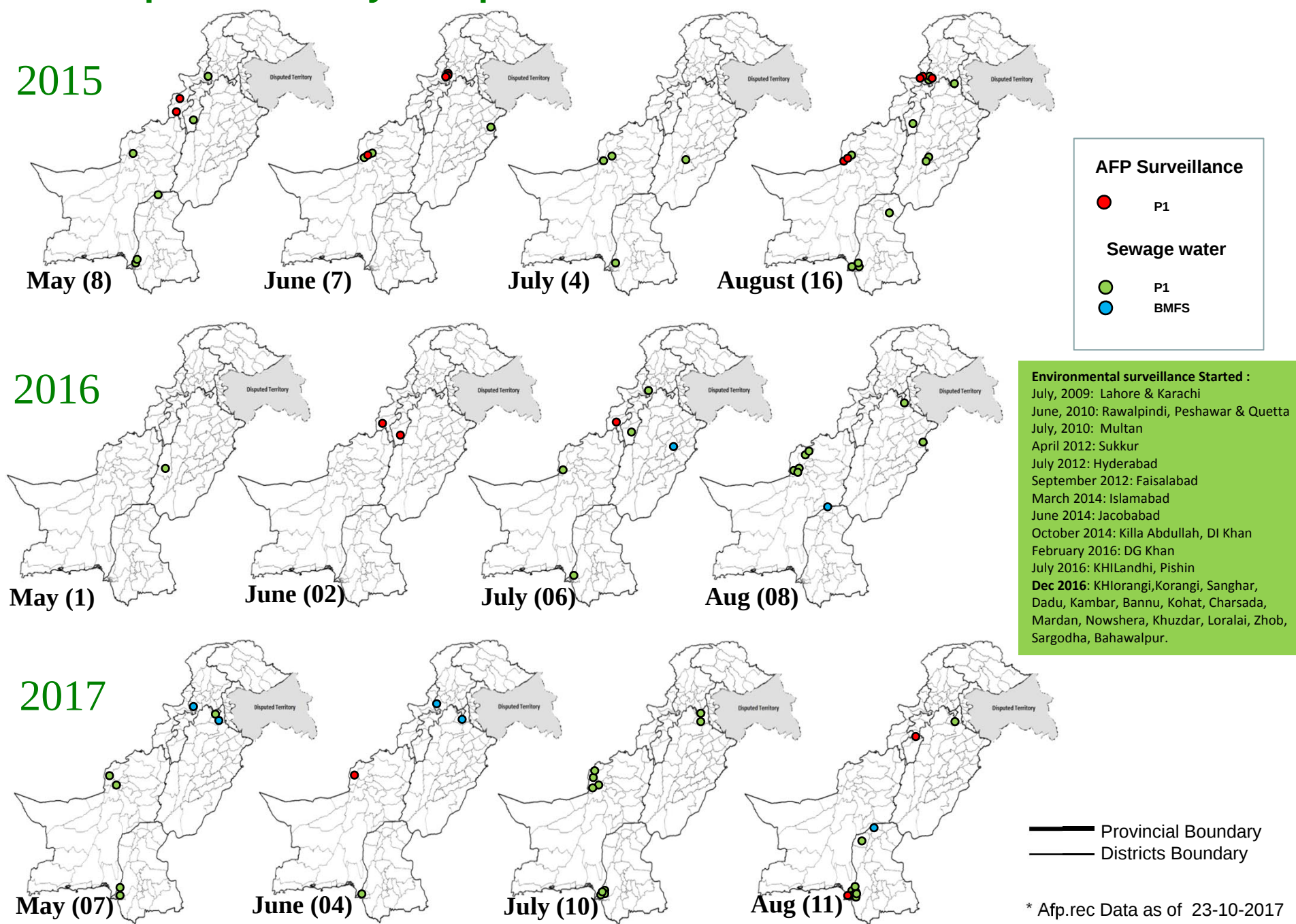
^ MMWR Epidemiological Weeks

Map 4: Monthly Comparison of Polio Cases/Isolates 2015-2017*



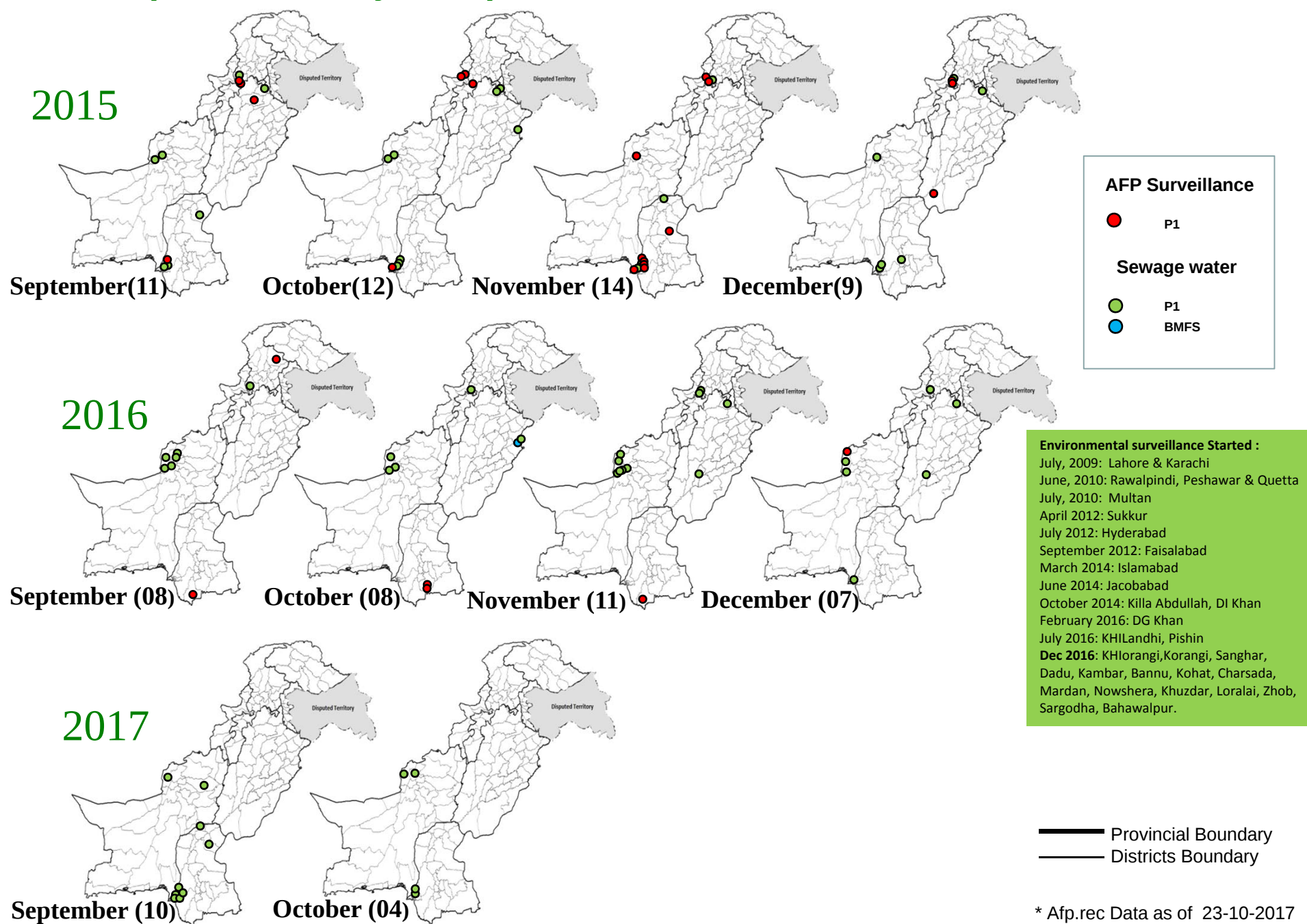
* Afp.rec Data as of 23-10-2017

Map 4.1: Monthly Comparison of Polio Cases/Isolates 2015-2017*



* Afp.rec Data as of 23-10-2017

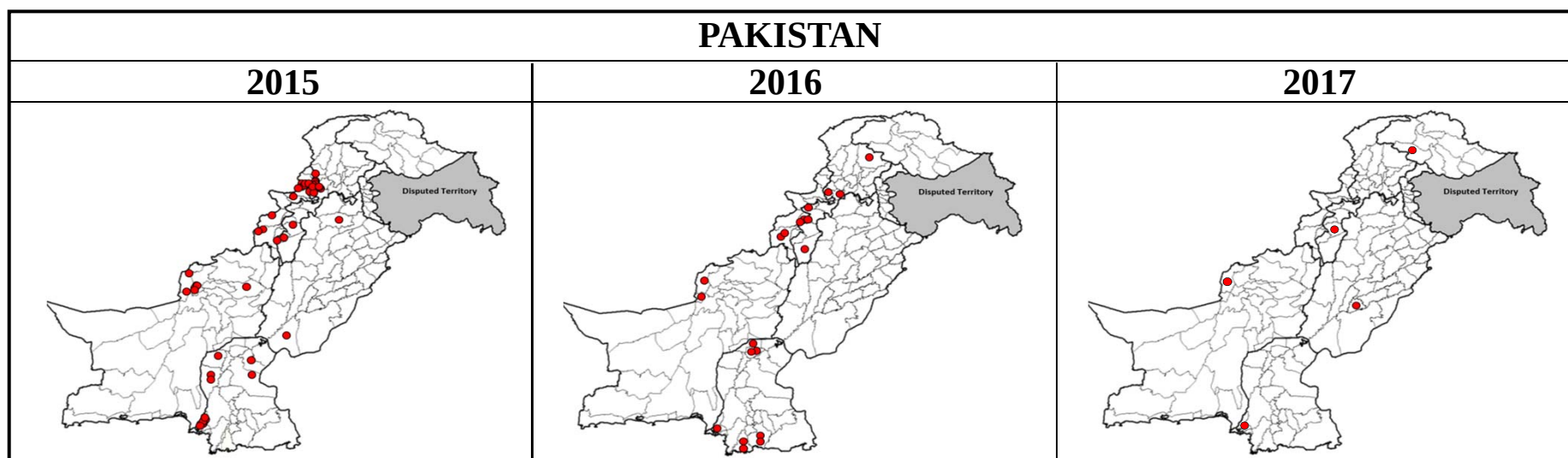
Map 4.2: Monthly Comparison of Polio Cases/Isolates 2015-2017*



* Afp.rec Data as of 23-10-2017

Table 5: Polio Eradication Update, Pakistan 2015-2017*

Province/Region	Polio 1		
	2015	2016	2017
FATA	16	02	-
KP	17	08	01
SINDH	12	08	01
PUNJAB	02	-	01
BALUCHISTAN	07	02	01
AJK	-	-	-
Gilgit-Baltistan	-	-	01
ISLAMABAD	-	-	-
PAKISTAN	54	20	05

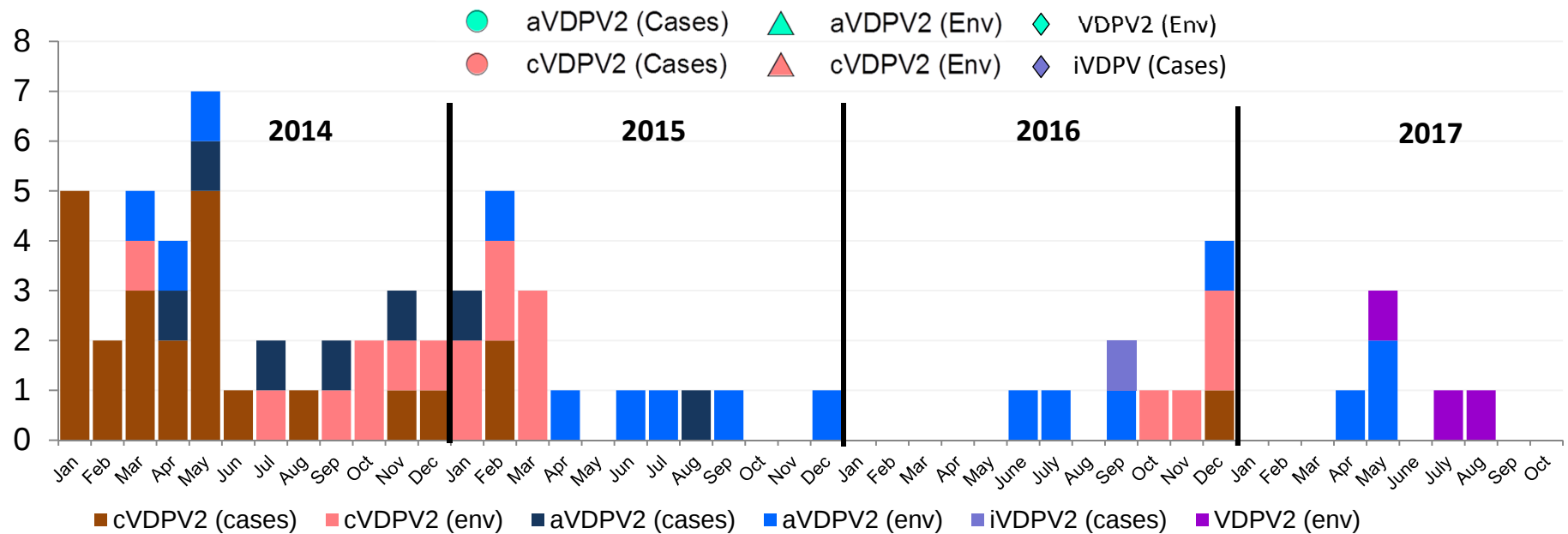
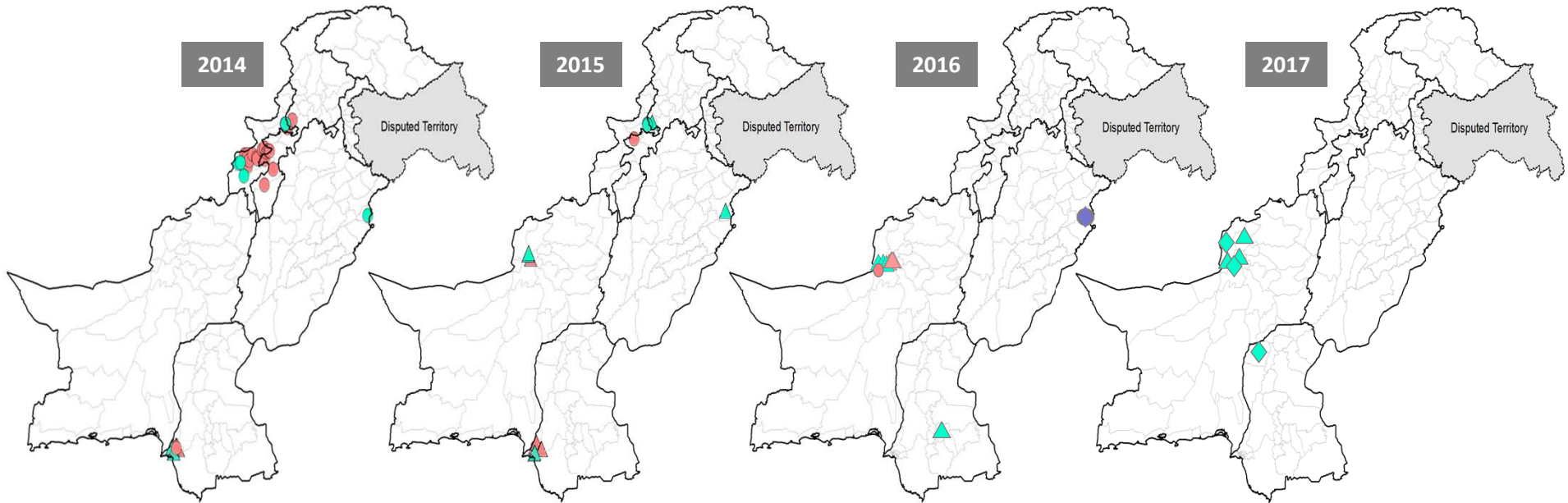


* Afp.rec Data as of 23-10-2017

VDPV2 isolates, 2013 to 2017*

DISTRICT	2013				2014				2015				2016								2017								
	aVDPV-2		cVDPV-2		aVDPV-2		cVDPV-2		aVDPV-2		cVDPV-2		aVDPV-2		iVDPV-2		cVDPV-2		VDPV 2	aVDPV-2		iVDPV-2		cVDPV-2		VDPV 2			
	Cases	Env	Cases	Env	Cases	Env	Cases	Env	Cases	Env	Cases	Env	Cases	Env	Cases	Env	Cases	Env	Env	Cases	Env	Cases	Env	Cases	Env	Env			
JAFARABAD	1																												
MASTUNG	1																												
PISHIN																				1									
QUETTA									2		1		3				1		4		2				1				
KABDULAH																										1			
BALOCHISTAN	2								2		1		3				1		4		3				2				
FR BANNU					8																								
KHYBER					1		2		1		1																		
MOHMAND	1																												
WAZIR-N	41				2		7																						
WAZIR-S					1																								
FATA	42				4		17		1		1																		
BANNU					1																								
HANGU											1																		
LAKKIMRWT					1																								
PESHAWAR					1				1																				
KPAKHTUNKHWA					3				1		1																		
LAHORE					1				1				1																
PUNJAB					1				1				1																
KAMBAR																										1			
KHIGADAP	4		2		2		1		7				6																
KHIGIQBAL					1						2																		
KHIGULBERG									1																				
HYDERABAD															1														
SINDH	4		2		3		1		7		1		2		6		1									1			
PAKISTAN	48		2		5		3		21		7		2		6		2		7	4		1		1		4		3	

VDPV isolates (Cases + ES), 2014 – 2017*



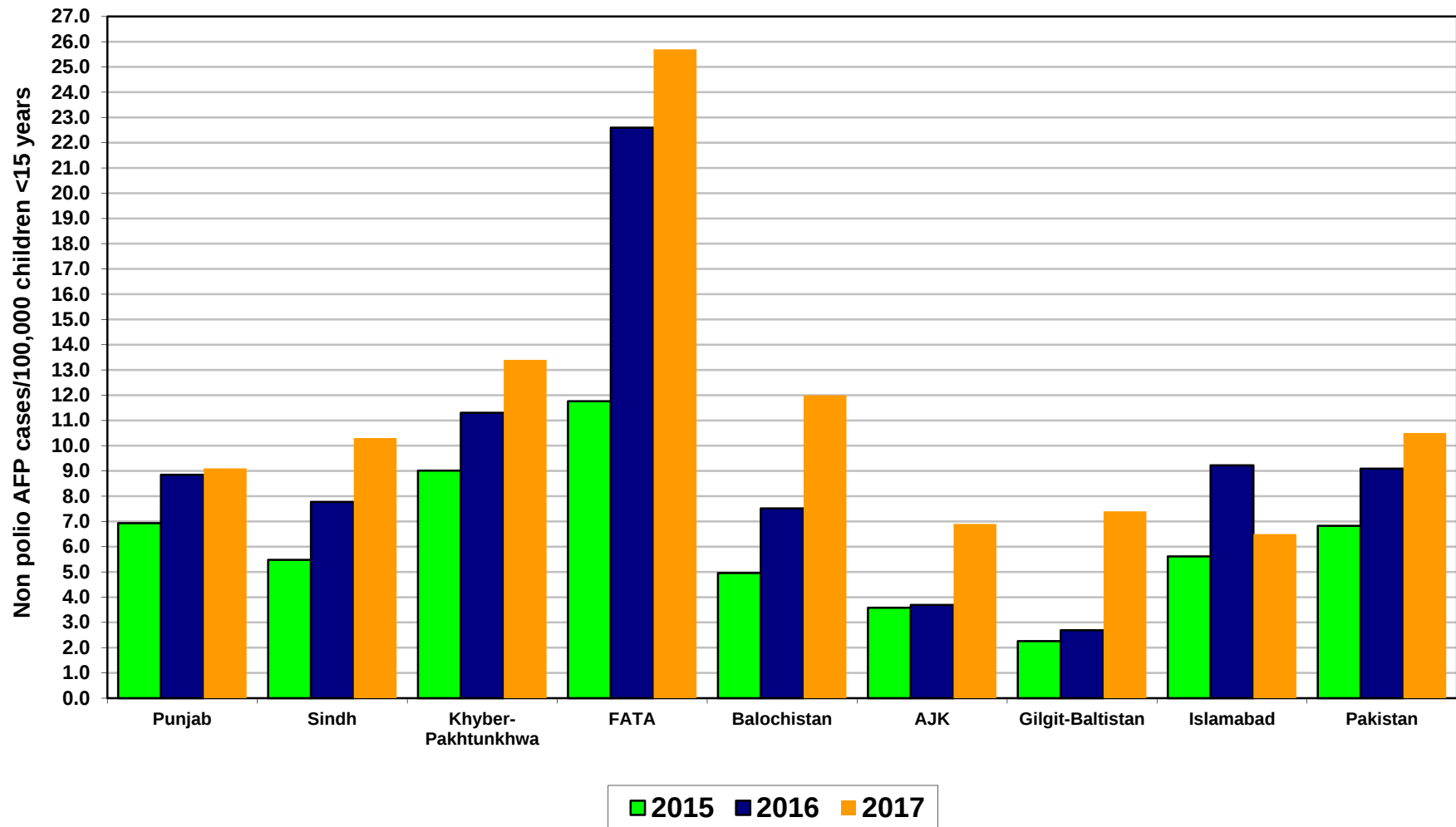
* Afp.rec Data as of 23-10-2017

Table 6: Vaccination status of non polio AFP cases age 6-59 months 2015-2017*

REGION	0 dose			1-2 doses			3 doses			4-6 doses			7+ doses		
	15	16	17	15	16	17	15	16	17	15	16	17	15	16	17
Central Punjab	0%	0%	0%	0%	0%	0%	0%	1%	1%	3%	3%	3%	96%	97%	95%
North Punjab	0%	0%	0%	0%	0%	0%	1%	0%	1%	3%	2%	1%	95%	98%	97%
South Punjab	0%	0%	0%	0%	0%	0%	1%	0%	0%	2%	2%	2%	97%	98%	98%
PUNJAB	0%	0%	0%	0%	0%	0%	0%	0%	1%	3%	2%	2%	96%	97%	97%
Karachi	2%	0%	1%	3%	1%	1%	1%	1%	1%	5%	5%	8%	89%	93%	90%
North Sindh	0%	0%	0%	1%	0%	0%	1%	0%	0%	8%	5%	3%	90%	94%	97%
South Sindh	0%	0%	0%	1%	1%	0%	1%	1%	1%	7%	6%	4%	91%	92%	95%
SINDH	0%	0%	0%	1%	1%	0%	1%	1%	0%	7%	5%	5%	90%	93%	94%
Central Khyber Pakhtunkhwa	1%	0%	1%	1%	0%	0%	1%	0%	0%	3%	1%	1%	94%	99%	98%
North Khyber Pakhtunkhwa	1%	1%	1%	1%	1%	1%	1%	0%	1%	4%	2%	3%	94%	96%	95%
South Khyber Pakhtunkhwa	1%	0%	1%	1%	1%	2%	2%	1%	2%	11%	1%	3%	83%	96%	92%
Khyber Pakhtunkhwa	1%	0%	1%	1%	1%	1%	1%	0%	1%	5%	1%	2%	91%	97%	96%
FATA	3%	0%	0%	3%	2%	0%	4%	1%	0%	7%	10%	8%	84%	88%	92%
Rest of Balochistan	11%	7%	4%	9%	7%	9%	2%	2%	4%	25%	23%	11%	54%	62%	73%
North Balochistan	11%	0%	5%	14%	3%	5%	0%	3%	2%	17%	10%	12%	57%	83%	76%
Quetta Block	3%	1%	1%	15%	1%	2%	9%	4%	4%	12%	10%	6%	61%	83%	86%
BALUCHISTAN	9%	2%	2%	12%	3%	5%	3%	3%	3%	19%	13%	9%	56%	80%	81%
PAKISTAN	1%	0%	0%	1%	1%	1%	1%	1%	1%	5%	4%	4%	92%	95%	95%

* Afp.rec Data as of 23-10-2017

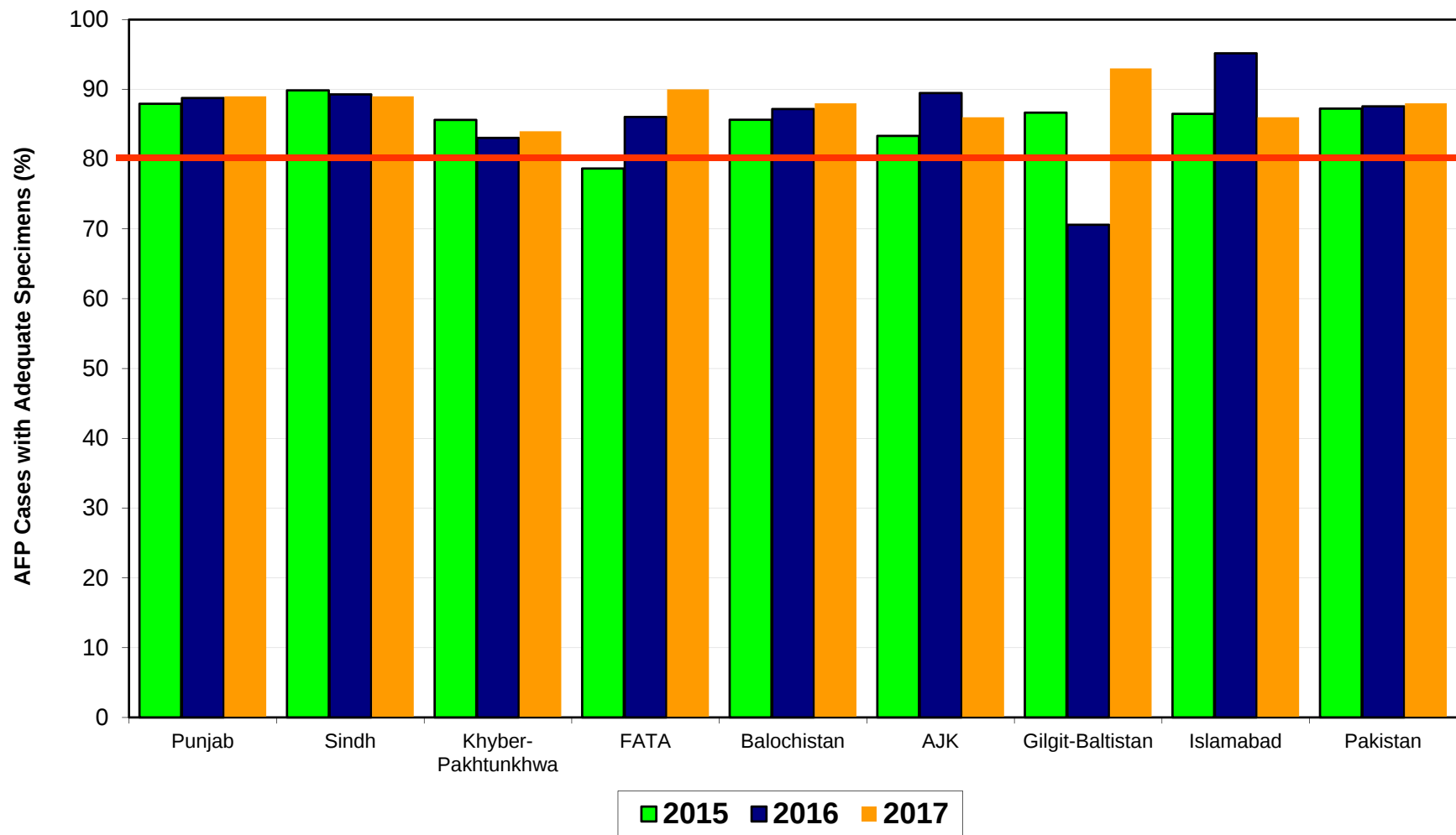
Non Polio AFP Rate By Province/Regions, 2015-2017*



* Afp.rec Data as of 23-10-2017

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

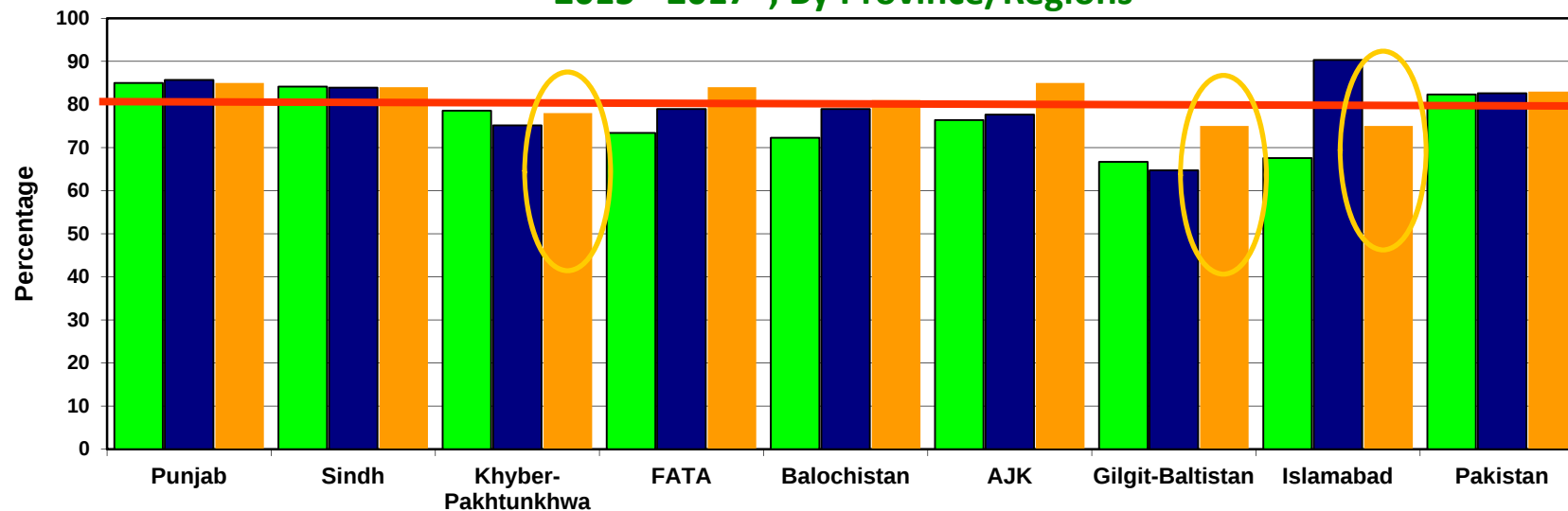
Percent AFP Cases with Adequate Specimens By Province/Regions, 2015-2017*



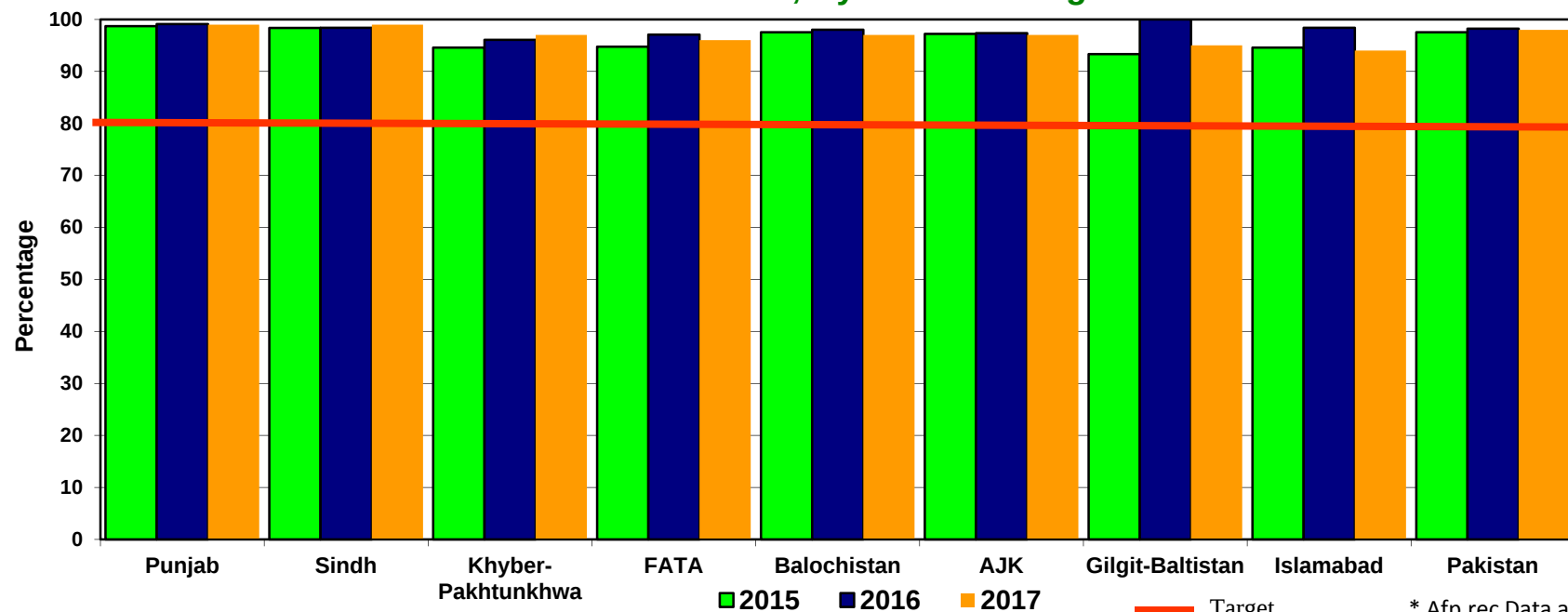
* Afp.rec Data as of 23-10-2017

— Target Adequate Sample cases = 80%

**Graph 5: Percent AFP Cases Notified within 07 days of paralysis onset
2015 - 2017*; By Province/Regions**

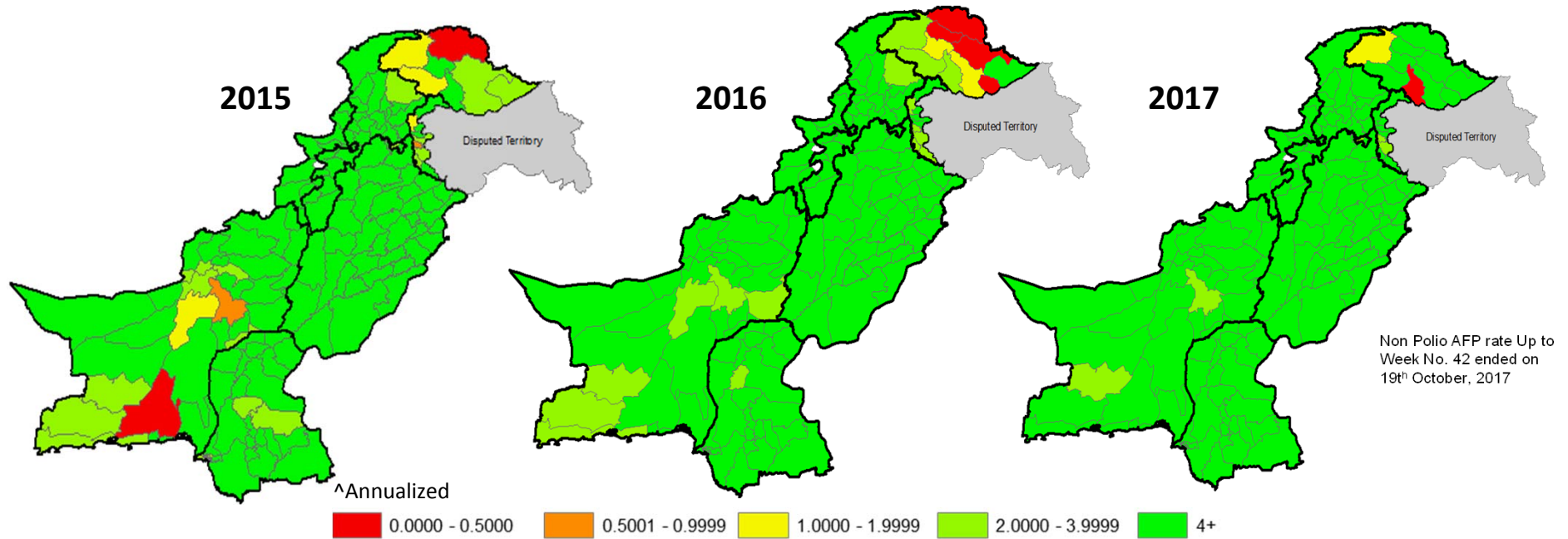


**Graph 6: Percent AFP Cases Investigated within 48 hours of notification
2015 ~ 2017*; By Province/Regions**

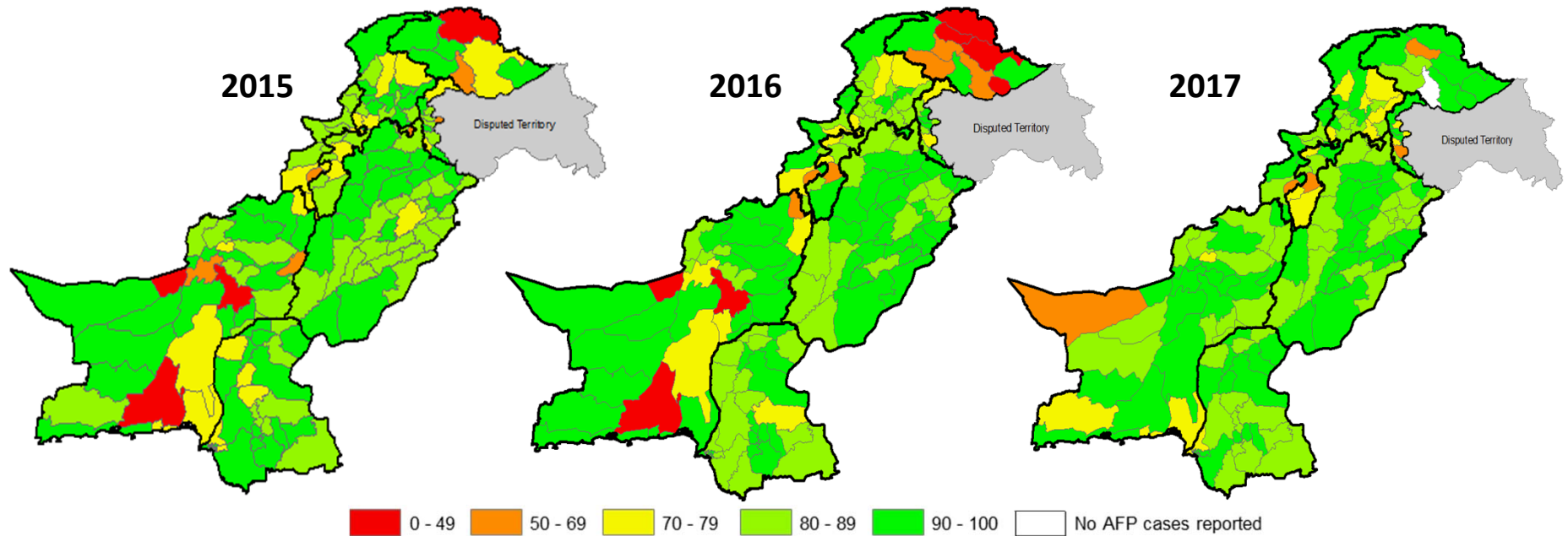


* Afp.rec Data as of 23-10-2017

Non-Polio ^ AFP Rate by District



Percent AFP Cases with Adequate Specimens, by District



**Table 7.3: AFP CASES PENDING FOR CLASSIFICATION
WITH DATE OF ONSET MORE THAN 90 DAYS* 2017 (1/3)**

S. No	DISTRICT	TEHSIL	EPID	SEX	AGE	DONSET	DOSESE	DSTOOL1	DSTOOL2	LAB	FEVER	ASVM	PROG	FUP	PEND (DAYS)
1	BAHWLNAGAR	BAHAWALNAGAR	PB/73/17/057	M	9	17-07-17	6	18-08-17	19-08-17	NVI	Y	Y	Y		98
2	BAHWLNAGAR	HARONABAD	PB/73/17/066	F	41	15-06-17	7+	LATE NOTIFIED			N	N	Y	Y	130
3	BHAKKAR	KALUR KOT	PB/44/17/035	M	168	24-07-17	7+	12-08-17	13-08-17	NVI	Y	N	Y	Y	91
4	CHAKWAL	CHAKWAL	PB/13/17/047	M	12	03-07-17	7+	03-10-17	05-10-17		Y	Y	UK		112
5	DGKHAN	DGKHAN	PB/81/17/109	F	48	28-06-17	7+	15-07-17	16-07-17	EV	Y	Y	Y	Y	117
6	DGKHAN	DGKHAN	PB/81/17/128	M	7	14-07-17	7+	04-08-17	05-08-17	EV	Y	Y	Y	Y	101
7	DGKHAN	TAUNSA	PB/81/17/127	F	19	18-07-17	7+	04-08-17	05-08-17	NVI	N	Y	Y	Y	97
8	DGKHAN	TAUNSA	PB/81/17/155	F	12	03-07-17	7+	LATE NOTIFIED			Y	Y	Y	Y	112
9	DGKHAN	DGKHAN	PB/81/17/160	F	24	10-07-17	7+				Y	Y	Y	Y	105
10	FAISALABAD	JARANWALA	PB/51/17/146	M	162	23-05-17	3				Y	Y	UK	Y	153
11	FAISALABAD	FAISALABAD CITY	PB/51/17/201	F	20	22-07-17	7+				N	Y	UK	Y	93
12	GUJRANWALA	AROOP	PB/21/17/125	F	18	26-06-17	7+	01-07-17		NVI	Y	Y	Y	DIED	119
13	GUJRAT	KHARIAN	PB/23/17/087	M	42	18-07-17	7+	12-09-17	13-09-17	EV	Y	Y	Y	Y	97
14	JHANG	JHANG	PB/53/17/031	M	15	25-04-17	6	16-05-17	17-05-17	NVI	Y	N	UK	Y	181
15	KASUR	PATTOKI	PB/32/17/060	M	58	27-06-17	7+	12-07-17	15-07-17	EV	N	N	Y	Y	118
16	KASUR	CHUNIAN	PB/32/17/069	M	3	12-07-17	2	02-08-17	04-08-17	EV	N	N	Y	DIED	103
17	KASUR	PATTOKI	PB/32/17/070	M	27	30-06-17	7+	LATE NOTIFIED			Y	Y	Y	Y	115
18	KHANEWAL	KABIRWALA	PB/62/17/059	F	12	01-07-17	7+	11-08-17	12-08-17	NVI	Y	Y	Y	Y	114
19	KHANEWAL	KABIRWALA	PB/62/17/061	F	1	01-07-17	1	11-08-17	12-08-17	NVI	N	N	Y	Y	114
20	LAHORE	SAMNABAD	PB/31/17/154	F	83	03-07-17	7+	DIED BEFORE STOOL			Y	N	N	DIED	112
21	LAHORE	AZIZ BHATTI TOWN	PB/31/17/146	F	48	11-07-17	7+	25-07-17	26-07-17	NVI	Y	Y	Y	Y	104
22	LAHORE	RAVI TOWN	PB/31/17/157	M	78	28-06-17	7+	26-07-17	28-07-17	NVI	N	N	N	Y	117
23	LAHORE	RAVI TOWN	PB/31/17/204	M	18	20-07-17	7+	LATE NOTIFIED			Y	Y	Y	Y	95
24	LAHORE	NISHTAR TOWN	PB/31/17/211	F	7	04-05-17	7+				Y	Y	Y	Y	172
25	LAYYAH	KAROR LAL ESAN	PB/84/17/050	F	168	01-07-17	7+	DIED BEFORE STOOL			Y	N	Y	DIED	114
26	MBDIN	MALAKWAL	PB/24/17/028	M	18	06-07-17	7+				Y	N	Y	DIED	109
27	MBDIN	MALAKWAL	PB/24/17/030	M	98	09-05-17	7+	LATE NOTIFIED			N	Y	Y		167
28	MULTAN	JALALPUR PIRWALA	PB/61/17/095	F	36	24-07-17	7+	27-07-17		EV	Y	N	Y	DIED	91
29	MUZFARGARH	MUZFARGARH	PB/83/17/154	M	10	07-07-17	7+	29-07-17	30-07-17	NVI	Y	Y	Y	Y	108
30	MUZFARGARH	JATOI	PB/83/17/173	M	14	07-06-17	7+	LATE NOTIFIED			Y	Y	Y	Y	138
31	MUZFARGARH	ALIPUR	PB/83/17/172	M	34	16-07-17	7+	13-08-17	14-08-17	EV	Y	Y	Y	Y	99
32	NAROWAL	NAROWAL	PB/26/17/023	M	42	10-05-17	7+	27-05-17	29-05-17	EV	N	N	Y	Y	166
33	NAROWAL	SHAKARGARH	PB/26/17/029	M	140	01-07-17	7+	22-07-17	23-07-17	NVI	Y	N	Y	Y	114
34	PAKPATTEN	PAKPATTAN	PB/66/17/039	F	30	30-06-17	7+	15-07-17	17-07-17	NVI	N	N	Y	Y	115
35	PAKPATTEN	PAKPATTAN	PB/66/17/043	F	60	15-07-17	7+	DIED BEFORE STOOL			N	N	Y	DIED	100
36	PAKPATTEN	PAKPATTAN	PB/66/17/044	M	17	07-07-17	7+	19-07-17	26-07-17	EV	N	Y	Y	Y	108
37	PAKPATTEN	PAKPATTAN	PB/66/17/049	M	168	25-06-17	7+	LATE NOTIFIED			N	N	Y	Y	120
38	RAJANPUR	ROIHAN	PB/82/17/100	F	48	13-04-17	7+				Y	Y	UK	Y	193
39	RAWALPINDI	RAWALPINDI	PB/11/17/102	F	18	27-06-17	7+	11-07-17	12-07-17	VACC	Y	Y	Y	Y	118
40	RAWALPINDI	KAHUTA	PB/11/17/107	F	14	26-06-17	7+	18-07-17	19-07-17	EV	Y	Y	Y	Y	119
41	RAWALPINDI	TAXILA	PB/11/17/108	F	72	14-07-17	7+	DIED BEFORE STOOL			N	N	Y	DIED	101
42	RYKHAN	SADIQABAD	PB/72/17/129	M	9	26-06-17	7+	18-07-17	19-07-17	EV	Y	Y	Y	Y	119

* Afp.rec Data as of 23-10-2017

€ Based on recall of parents

60 days Follow-up not done

FUP = Residual Weakness at 60 days follow up.

**Table 7.3: AFP CASES PENDING FOR CLASSIFICATION
WITH DATE OF ONSET MORE THAN 90 DAYS* 2017 (2/3)**

S. No	DISTRICT	TEHSIL	EPID	SEX	AGE	DONSET	DOSE#	DSTOOL1	DSTOOL2	LAB	FEVER	ASVM	PROG	FUP	PEND (DAYS)
43	RYKHAN	RAHIM YAR KHAN	PB/72/17/124	M	5	07-07-17	6	03-08-17	04-08-17	EV	Y	N	Y	DIED	108
44	RYKHAN	RAHIM YAR KHAN	PB/72/17/152	M	156	04-07-17	7+	01-08-17	02-08-17	EV	N	Y	Y	Y	111
45	RYKHAN	RAHIM YAR KHAN	PB/72/17/138	M	120	05-07-17	7+	27-07-17	28-07-17	NVI	Y	Y	Y	Y	110
46	SARGODHA	KOT MOMIN	PB/41/17/068	M	76	04-07-17	7+	25-07-17	26-07-17	EV	N	N	Y	Y	111
47	SARGODHA	SARGODHA	PB/41/17/072	M	30	15-07-17	7+	06-08-17	09-08-17	EV	Y	N	UK	Y	100
48	SARGODHA	SAHIWAL	PB/41/17/088	M	66	03-07-17	7+	LATE NOTIFIED			N	N	Y	Y	112
49	SHEIKUPURA	FEROZEWALA	PB/33/17/074	F	108	23-07-17	7+	24-08-17	25-08-17	NVI	Y	Y	Y	Y	92
50	SIALKOT	SIALKOT	PB/25/17/069	M	18	24-07-17	7+	06-09-17	07-09-17	NVI	Y	Y	Y	Y	91
51	TTSINGH	KAMALIA	PB/52/17/077	F	1	29-06-17	0	21-07-17	22-07-17		N	Y	Y		116
52	VEHARI	BUREWALA	PB/63/17/044	F	33	22-05-17	7+	23-06-17	24-06-17	EV	Y	N	Y	Y	154
53	BADIN	TANDO BAGO	SD/23/17/051	M	36	18-06-17	7+	LATE NOTIFIED			Y	Y	N	Y	127
54	KASHMORE	KANDHKOT	SD/54/17/028	M	24	17-07-17	7+	DIED BEFORE STOOL			Y	Y	Y	DIED	98
55	KHAIRPUR	SOBHO DERO	SD/43/17/059	F	18	28-06-17	7+	18-07-17	19-07-17	NVI	Y	N	Y	Y	117
56	KHAIRPUR	KINGRI	SD/43/17/062	F	2	13-07-17	4	06-08-17	07-08-17	VACC	Y	N	Y	Y	102
57	KHIGADAP	GADAP	SD/63/17/027	M	108	01-07-17	7+	25-07-17	26-07-17	NVI	Y	N	Y	Y	114
58	KHIKAMARI	KAMARI	SD/67/17/020	F	48	16-07-17	7+	DIED BEFORE STOOL			N	N	Y	DIED	99
59	KHILAYARI	LAYARI	SD/71/17/021	F	9	20-07-17	0	21-07-17		NVI	Y	N	Y	DIED	95
60	KHILIAQAT	LIAQATABAD	SD/70/17/015	M	84	03-07-17	7+	28-07-17	30-07-17	EV	Y	N	Y	Y	112
61	KHISHAHFAISAL	SHAHFAISAL	SD/76/17/014	M	1	10-07-17	0				N	N	Y	DIED	105
62	LARKANA	RATODERO	SD/51/17/041	F	36	22-06-17	7+	21-07-17	23-07-17	EV	N	Y	Y	Y	123
63	SBENAZIRABAD	DAUR	SD/44/17/045	M	35	18-07-17	7+	24-07-17	03-08-17	NVI	Y	N	Y	Y	97
64	SHIKARPUR	GARHI YASIN	SD/52/17/051	F	36	15-07-17	7+	LATE NOTIFIED			Y	Y	Y	Y	100
65	SUKKUR	SUKKUR	SD/41/17/039	M	88	28-06-17	7+	DIED BEFORE STOOL			N	N	Y	DIED	117
66	THARPARKAR	NAGAR PARKAR	SD/33/17/030	M	48	14-07-17	7+	23-07-17	01-08-17	NVI	N	Y	Y	Y	101
67	THATTA	MIRPUR SAKRO	SD/22/17/031	F	12	21-07-17	7+	DIED BEFORE STOOL			Y	N	Y	DIED	94
68	TMKHAN	B.S. KARIM	SD/26/17/013	M	60	30-04-17	7+	31-05-17	01-06-17	NVI	Y	Y	UK	Y	176
69	TMKHAN	T.G. HYDER	SD/26/17/017	F	13	17-07-17	3	DIED BEFORE STOOL			Y	N	UK	DIED	98
70	UMERKOT	KUNRI	SD/34/17/031	M	36	05-07-17	7+	19-07-17	21-07-17	NVI	N	N	Y	Y	110
71	UMERKOT	PITHORO	SD/34/17/037	M	72	10-07-17	7+	13-08-17	14-08-17	NVI	Y	N	Y	Y	105
72	BANNU	BANNU	KP/61/17/028	M	1	15-06-17	0	LATE NOTIFIED			Y	N	UK	Y	130
73	BANNU	BANNU	KP/61/17/033	M	25	26-04-17	7+				Y	Y	UK	Y	180
74	BUNIR	SOWARAI	KP/22/17/035	F	96	18-05-17	7+	25-08-17	26-08-17	NVI	N	N	Y	Y	158
75	CHARSADA	TANGI	KP/31/17/127	F	108	03-07-17	7+	LATE NOTIFIED			Y	N	Y	Y	112
76	CHARSADA	SHABQADAR	KP/31/17/126	M	20	15-06-17	7+				N	Y	UK	Y	130
77	DIKHAN	DIKHAN	KP/60/17/018	M	48	29-06-17	7+	07-08-17	08-08-17	NVI	UK	N	N		116
78	DIRLOWER	TIMERGARA	KP/23/17/037	M	21	18-07-17	7+	16-08-17	17-08-17	NVI	Y	Y	Y	Y	97
79	DIRLOWER	TIMERGARA	KP/23/17/043	M	18	08-06-17	7+	LATE NOTIFIED			Y	Y	UK		137
80	DIRUPPER	DIR	KP/25/17/010	M	50	24-03-17	7+	06-04-17	08-04-17	NVI	Y	N	N	Y	213
81	DIRUPPER	DIR	KP/25/17/024	F	72	06-06-17	7+	13-07-17	14-07-17	NVI	Y	N	Y	Y	139
82	LAKKIMRWT	LAKKIMRWT	KP/62/17/034	M	48	19-06-17	7+	LATE NOTIFIED			Y	Y	UK	Y	126
83	LAKKIMRWT	LAKKIMRWT	KP/62/17/039	M	8	18-07-17	7+				Y	Y	Y	Y	97
84	MALAKAND	BATKHELA	KP/20/17/030	M	45	10-07-17	7+	20-08-17	21-08-17	NVI	N	N	Y	Y	105

* Afp.rec Data as of 23-10-2017

€ Based on recall of parents

60 days Follow-up not done

FUP = Residual Weakness at 60 days follow up.

**Table 7.3: AFP CASES PENDING FOR CLASSIFICATION
WITH DATE OF ONSET MORE THAN 90 DAYS* 2017 (3/3)**

S. No	DISTRICT	TEHSIL	EPID	SEX	AGE	DONSET	DOSE€	DSTOOL1	DSTOOL2	LAB	FEVER	ASVM	PROG	FUP	PEND (DAYS)
85	MANSEHRA	OGHI	KP/14/17/028	M	96	14-06-17	7+	27-06-17	30-06-17	NVI	Y	N	Y	DIED	131
86	MANSEHRA	BALAKOT	KP/14/17/037	M	48	21-07-17	7+	31-07-17	11-08-17	NVI	Y	N	Y	Y	94
87	MARDAN	MARDAN	KP/40/17/096	M	36	23-06-17	7+	09-07-17	11-07-17	VACC	Y	N	UK	Y	122
88	MARDAN	MARDAN	KP/40/17/164	F	24	06-06-17	7+	07-10-17	09-10-17		Y	Y	Y		139
89	NOWSHERA	NOWSHERA	KP/32/17/061	M	60	13-06-17	7+	LATE NOTIFIED			Y	Y	Y	Y	132
90	SHANGLA	ALPURI	KP/26/17/017	M	72	10-04-17	7+	26-04-17	27-04-17	EV	Y	Y	UK	Y	196
91	SHANGLA	MARTOONG	KP/26/17/030	M	19	25-06-17	7+	28-07-17	29-07-17	NVI	Y	Y	UK	Y	120
92	SHANGLA	BISHAM	KP/26/17/028	M	11	29-03-17	7+	LATE NOTIFIED			N	Y	Y	Y	208
93	SHANGLA	PURAN	KP/26/17/038	F	26	24-06-17	7+	LATE NOTIFIED			Y	Y	Y	Y	121
94	SWAT	MATTA	KP/24/17/078	M	96	28-06-17	7+	07-08-17	08-08-17		N	N	UK	DIED	117
95	TANK	TANK	KP/63/17/019	M	120	08-07-17	7+	02-08-17	03-08-17	EV	Y	Y	UK		107
96	JAFARABAD	JHAT PAT	BN/43/17/021	F	36	25-05-17	7+	LATE NOTIFIED			Y	N	Y	Y	151
97	ILASBELA	BELA	BN/55/17/015	M	8	11-07-17	7+	05-08-17	06-08-17	NVI	Y	N	Y	Y	104
98	INSIRABAD	DMJAMALI	BN/41/17/021	M	11	24-05-17	6	LATE NOTIFIED			Y	Y	Y	Y	152
99	BAGH	BAGH	AJ/50/17/008	M	1	26-05-17	3	DIED BEFORE STOOL			Y	N	Y	DIED	150
100	HATTIAN	HATTIAN	AJ/90/17/001	F	156	05-03-17	3	30-03-17	31-03-17	NVI	Y	N	Y	Y	232
101	HATTIAN	HATTIAN	AJ/90/17/005	M	174	15-06-17	7+	21-07-17	22-07-17	NVI	N	N	N	Y	130
102	HAVELI	HAVELI	AJ/51/17/002	M	13	18-02-17	7+	24-05-17	25-05-17	EV	N	Y	Y	Y	247
103	KOTLI	KOTLI	AJ/30/17/002	F	156	01-01-17	7+	17-02-17			Y	Y	Y	Y	295
104	MIRPUR	MIRPUR	AJ/20/17/002	F	42	20-01-17	7+	19-02-17		NVI	Y	N	N	Y	276
105	MIRPUR	MIRPUR	AJ/20/17/007	F	59	17-06-17	7+	DIED BEFORE STOOL			N	Y	Y	DIED	128
106	POONCH	HAJIRA	AJ/40/17/008	M	136	08-02-17	7+	14-03-17	15-03-17	NVI	N	N	Y	Y	257
107	POONCH	HAJIRA	AJ/40/17/013	F	24	19-03-17	7+	28-04-17	29-04-17	NVI	Y	Y	Y	DIED	218
108	SUDNUTI	PALLANDARI	AJ/70/17/003	F	24	14-07-17	7+	06-08-17	07-08-17	NVI	Y	N	Y	Y	101
109	ICT	ICT	IB/02/17/024	M	33	30-04-17	7+	23-05-17	25-05-17	NVI	UK	UK	Y	Y	176
110	WAZIR-S	BIRMAL	FT/65/17/017	F	24	16-06-17	7+	02-07-17	05-08-17	EV	Y	Y	Y		129

* Afp.rec Data as of 23-10-2017

€ Based on recall of parents

60 days Follow-up not done

FUP = Residual Weakness at 60 days follow up.