



**World Health
Organization**

Weekly AFP Surveillance Update Pakistan

Week 39 (*Ended on 28th September, 2013*)

AFP Surveillance



National Surveillance Cell Federal EPI

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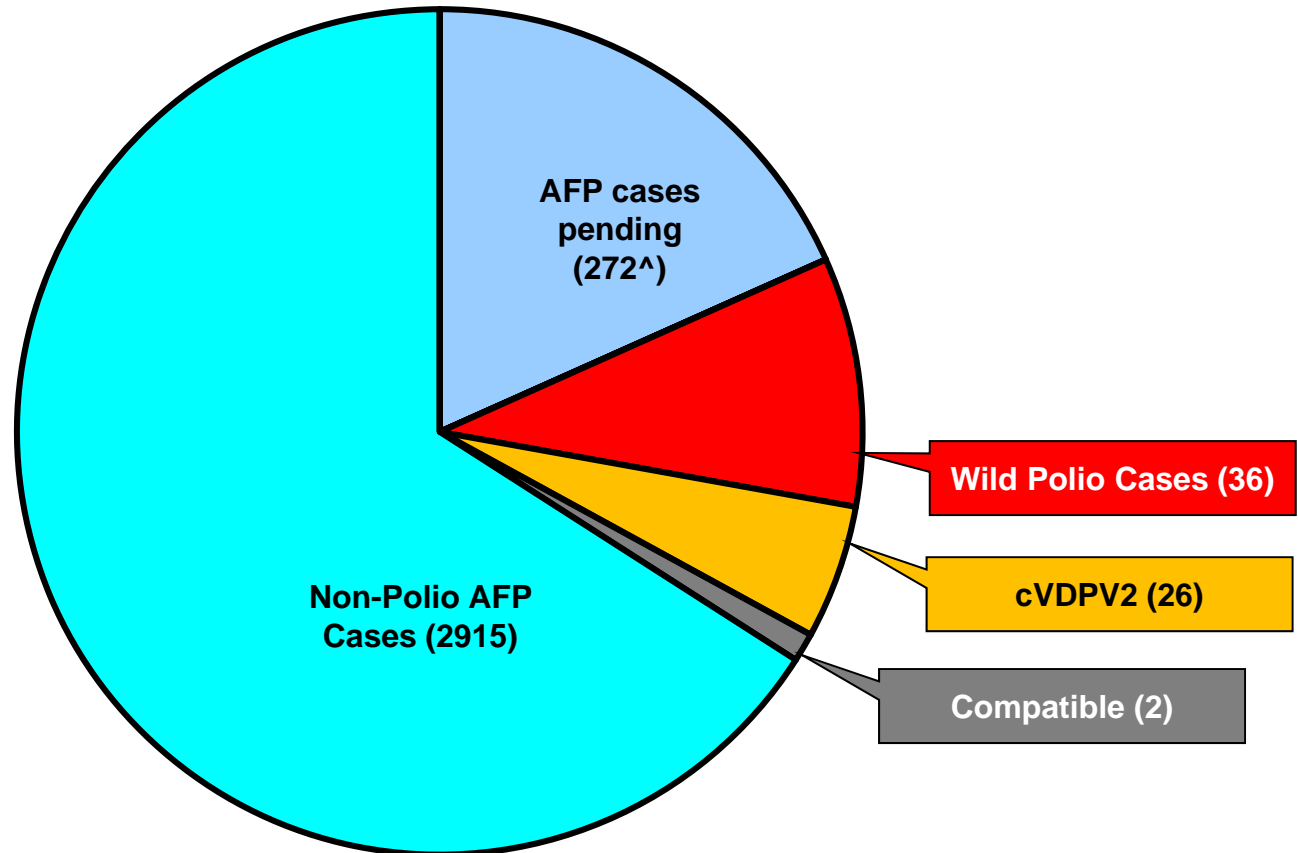
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AFP Case Profile, 2013*



Total AFP Cases Reported = 3251

[^]84 Inadequate cases pending classification by ERC;
[^]83 Inadequate cases not due for FUP
[^]105 Pending in the Lab

Point in Time Comparison of polio cases by province/region 2012[§] & 2013*

Region/ Province	No. of polio cases		No. of infected districts/towns		Last polio case
	2012	2013	2012	2013	
Khyber Pakhtunkhwa	19	7	12	5	31-Aug-13
FATA / FR Areas	17	24	5	4	08-Sep-13
Sindh	4	3	4	3	09-July-13
Balochistan	3	-	1	-	02-Oct-12
Punjab	2	2	2	2	26-May-13
Gilgit-Baltistan	1	-	1	-	06-Aug-12
Pakistan	46	36	25	14	08-Sep-13

Six additional districts/town declared infected based on environmental samples in 2013

Total polio cases of 2012 are 58

* Afp.rec Data as of 30-09-2013

[§]Based on date of onset

Table 1: List of Confirmed Polio Cases, Pakistan 2013* (1/2)

S.NO.	PROVINCE/ REGION	DISTRICT	TEHSIL	EPID NO.	SEX	AGE (m)	DATE ONSET OF PARALYSIS	NO. OPV DOSES (based on parents recall)		FEVER	Asymmetric Paralysis	Rapid Progression	REFUSAL	WPV TYPE	GENETICS
								Route	SIA's						Cluster
1	SINDH	BIN QASIM	BIN QASIM	SD/62/13/001	M	24	14-Jan-13	0	0	N	Y	Y	Y	NSL1	R4B
2	KP	BANNU	BANNU	NW/61/13/002	M	13	26-Jan-13	0	0	Y	N	Y	Y	NSL1	R4B
3	PUNJAB	MIWANWALI	ISAKHEL	PB/43/13/005	F	36	07-Feb-13	3	7+	Y	N	Y	N	NSL1	R4B
4	KP	MALAKAND	DARGAI	NW/20/13/006	F	3	08-Feb-13	2	2	Y	N	Y	N	NSL1	R4B
5	KP	MARDAN	MARDAN	NW/40/13/009	M	30	12-Feb-13	3	7+	Y	N	Y	N	NSL1	R4B
6	SINDH	DADU	MEHAR	SD/24/13/006	F	15	22-Mar-13	0	2	Y	N	Y	N	NSL1	R2B
7	KP	MARDAN	MARDAN	NW/40/13/026	M	8	22-Apr-13	0	0	Y	Y	Y	Y	NSL1	R4B
8	FATA	KHYBER\$	BARA	FT/34/13/008	M	10	24-Apr-13	2	4	Y	Y	N	N	NSL1	R4B
9	FATA	FR BANNU	FR BANNU	FT/69/13/001	M	16	03-May-13	0	3	Y	Y	Y	Y	NSL1	R4B
10	FATA	KHYBER\$	BARA	FT/34/13/010	M	8	10-May-13	0	0	Y	Y	Y	N	NSL1	R4B
11	FATA	KHYBER\$	BARA	FT/34/13/013	M	24	11-May-13	2	3	Y	N	Y	N	NSL1	R4B
12	FATA	KHYBER\$	BARA	FT/34/13/011	M	23	14-May-13	0	2	Y	Y	Y	N	NSL1	R4B
13	FATA	KHYBER\$	BARA	FT/34/13/012	M	4	16-May-13	0	0	Y	N	Y	N	NSL1	R4B
14	FATA	FR BANNU	FR BANNU	FT/69/13/002	F	22	19-May-13	0	7+	Y	N	Y	N	NSL1	R4B
15	FATA	KHYBER\$	BARA	FT/34/13/014	M	30	20-May-13	0	0	Y	N	Y	N	NSL1	R4A
16	FATA	WAZIR-N\$	MIR ALI	FT/64/13/010	M	9	24-May-13	0	0	Y	Y	Y	N	NSL1	R4B
17	PUNJAB	MBDIN	MALIKWAL	PB/24/13/013	F	96	26-May-13	3	7+	Y	Y	Y	N	NSL1	R4B
18	FATA	KHYBER\$	BARA	FT/34/13/015	M	15	06-June-13	0	0	Y	Y	Y	N	NSL1	R4B
19	FATA	WAZIR-N\$	MIR ALI	FT/64/13/014	F	11	15-June-13	0	0	Y	Y	Y	N	NSL1	R4B
20	FATA	KHYBER\$	BARA	FT/34/13/019	F	12	23-June-13	0	0	Y	N	Y	N	NSL1	R4B
21	KP	PESHAWAR	PESHAWAR	KP/30/13/042	M	12	30-June-13	0	0	Y	N	Y	Y	NSL1	R4B
22	FATA	KHYBER\$	BARA	FT/34/13/020	F	12	03-July-13	0	0	N	N	Y	N	NSL1	R4B

\$ Security compromised area

* Afp.rec Data as of 30-09-2013

Table 1.1: List of Confirmed Polio Cases, Pakistan 2013* (2/2)

S.NO.	PROVINCE/ REGION	DISTRICT	TEHSIL	EPID NO.	SEX	AGE (m)	DATE OF ONSET PARALYSIS	NO. OPV DOSES (based on parents recall)		FEVER	Asymmetric Paralysis	Rapid Progression	REFUSAL	WPV TYPE	GENETICS
								Route	SIA's						Cluster
23	SINDH	KHIGADDAP	GADDAP	SD/63/13/015	F	12	09-July-13	3	6	Y	Y	Y	N	NSL1	R4B
24	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/13/018	F	18	13-July-13	0	0	Y	Y	Y	N	NSL1	R4B
25	FATA	FR BANNU	FR BANNU	FT/69/13/006	M	18	27-July-13	0	7+	Y	N	Y	N	NSL1	R4B
26	FATA	WAZIR-N\$	MIR ALI	FT/64/13/032	F	21	05-Aug-13	0	0	Y	Y	Y	N	NSL1	R4B
27	FATA	WAZIR-N\$	RAZMAK	FT/64/13/033	M	11	11-Aug-13	0	0	Y	Y	Y	N	NSL1	R4B
28	KP	KOHAT	KOHAT	KP/50/13/017	F	10	19-Aug-13	0	5	Y	Y	Y	N	NSL1	R4B
29	FATA	WAZIR-N\$	RAZMAK	FT/64/13/044	M	8	24-Aug-13	0	0	Y	N	Y	N	NSL1	R4B
30	FATA	FR DIKHAN	FR DIKHAN	FT/68/13/001	M	36	26-Aug-13	1	1	Y	N	Y	N	NSL1	R4B
31	FATA	KHYBER\$	LANDI KOTAL	FT/34/13/028	M	18	30-Aug-13	0	0	Y	Y	Y	N	NSL1	
32	KP	PESHAWAR	PESHAWAR	KP/30/13/068	M	6	31-Aug-13	0	0	Y	Y	Y	N	NSL1	
33	FATA	WAZIR-N\$	MIR ALI	FT/64/13/050	F	13	01-Sep-13	0	0	Y	Y	Y	N	NSL1	
34	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/13/051	F	11	05-Sep-13	0	0	Y	Y	Y	N	NSL1	R4B
35	FATA	WAZIR-N\$	RAZMAK	FT/64/13/053	F	17	06-Sep-13	0	0	Y	Y	Y	N	NSL1	
36	FATA	WAZIR-N\$	MIR ALI	FT/64/13/055	F	7	08-Sep-13	1	0	Y	Y	Y	N	NSL1	

\$ Security compromised area

New Case

* Afp.rec Data as of 30-09-2013

Table 2: LAB Update 2013*

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
January	333	275	0	0	19	6	37	11%	2	333	100%
February	330	285	0	0	16	5	26	8%	3	330	100%
March	308	248	0	0	7	2	52	17%	1	308	100%
April	352	244	0	0	22	6	84	24%	2	352	100%
May	419	304	0	0	15	4	91	22%	9	419	100%
June	469	326	0	0	21	4	118	25%	4	469	100%
July	391	237	1	1	13	3	135	35%	4	389	99%
August	445	280	10	2	21	5	125	28%	7	433	97%
September	250	52	144	11	4	2	35	14%	4	95	38%
Pakistan	3297	2251	155	14	138	4	703	21%	36	3128	95%

* Data as of 30-09-2013

Table 3: Urgent / ITD Pending Cases (1/2)

S. #	District	Tehsil	Basic information						OPV doses				Urgent		Prov Diagnosis	Lab update			Remarks		
			Union council	Epid number	Date of Onset	Age (M)	Sex	Date of 1st stool	Stool Adeq	Ri	SIAs	Last 6 SIAs	Last dose	By Field		By NSC X	Lab No.	Days Inoc		Culture update	
Isolates pending for ITSD																					
1	KHYBER	BARA	MILWARD	FT/34/13/023	14-Aug-13	24	M	16-Aug-13	N	0	0	0		Y	Y	SUSPECTED POLIO	3466	2	P2	Discordant O	
2	KHYBER	BARA	SPINQABAR	FT/34/13/027	30-Aug-13	13	F	10-Sep-13	Y	0	2	2	16-Aug-13	Y	Y	INI NEURITIS / SUSPECTED POLIO	4014	8	P1	Discordant O	
3	KHYBER	BARA	QAMBAR KHEL	FT/34/13/029	10-Sep-13	11	M	14-Sep-13	N	3	7+	6	26-Aug-13	N	N	INI NEURITIS	4049	7	P1	Discordant O	
4	WAZIR-N	MIRAN SHAH	SPULGA	FT/64/13/052	08-Sep-13	14	M	12-Sep-13	Y	3	3	1	16-Aug-13	Y	Y	POLIO/GBS	4018	3	P2	Discordant O	
5	WAZIR-N	MIR ALI	SHAMERI	FT/64/13/056	10-Sep-13	10	M	13-Sep-13	Y	3	0	0		Y	Y	POLIO/GBS	4054	7	P1	Discordant O	
6	WAZIR-N	MIRAN SHAH	TAPPI	FT/64/13/057	07-Sep-13	15	M	13-Sep-13	Y	0	2	0		Y	Y	POLIOMYELITIS/PSEUD OPARALYSIS	4048	7	P2	Discordant O	
7	WAZIR-N	RAZMAK	KHUSHALI	FT/64/13/058	11-Sep-13	18	M	17-Sep-13	#	0	2	0		Y	Y	POLIOMYELITIS / GBS	4121	4	P2	Discordant O	
8	WAZIR-N	RAZMAK	PARYAT	FT/64/13/060	08-Sep-13	18	F	14-Sep-13	Y	0	0	0		Y	Y	POLIO	4095	5	P2	Discordant O	
9	WAZIR-N	MIR ALI	IDAK	FT/64/13/061	12-Sep-13	36	F	17-Sep-13	N	0	4	0		Y	Y	INI NEURITIS / SUSPECTED POLIO	4135	4	P2	Discordant O	
10	WAZIR-N	MIRAN SHAH	SPULGA	FT/64/13/062	08-Sep-13	8	F	15-Sep-13	Y	2	0	0		Y	Y	POLIO	4101	5	SL2	Waiting rRTPCR for VDPV screening	
11	WAZIR-N *	MIRAN SHAH	PARYAT	FT/64/13/063	10-Sep-13	13	M	17-Sep-13	Y	0	0	0		Y	Y	POLIO/GBS	4185		L20B+		
12	WAZIR-N *	MIRAN SHAH	DATTA KHEL	FT/64/13/065	13-Sep-13	5	M	20-Sep-13	Y	0	0	0		Y	Y	POLIO	4215		L20B+		
13	SHEIKUPURA *	#	#	PB/33/13/055	19-Sep-13	4	M	20-Sep-13	#	#	#	#	19-Aug-13	N	#	#		4176		L20B+	
14	GHOTKI	GHOTKI	BANDH	SD/42/13/041	20-Jul-13	18	M	23-Jul-13	Y	3	7+	6	17-Jun-13	N	N	HEMIPLEGIA/CVA	3127	7	P1	Discordant O	
Reported urgent (by field / NSCX criteria)																					
15	FR BANNU *	FR BANNU	HINDI KHEL	FT/69/13/013	22-Sep-13	12	F		#	0	0	0		Y	Y	POLIO	#				
16	WAZIR-N	MIR ALI	SHAMIRI	FT/64/13/064	13-Sep-13	9	F	20-Sep-13	Y	0	0	0		Y	Y	POLIO/INJECTION TRALUMA	4227		UP		
17	WAZIR-N	MIRAN SHAH	LAND	FT/64/13/066	18-Sep-13	9	M	21-Sep-13	Y	0	0	0		Y	Y	POLIO/INJECTION TRALUMA	4228	6	UP		
18	WAZIR-N	MIRAN SHAH	KANI ROGHA	FT/64/13/067	20-Sep-13	14	M		Y	0	1	0		Y	Y	POLIO	#			Not yet received in Lab	
<p>* New addition § New results #Data not available X NSC Criteria = Fever , Rapid Progress, Age < 48 months and OPV Doses <7 UP = Under process</p> <p style="text-align: center;">Urgent (Field/NSC) / Inadequate specimens / Age 12-35 months / Zero OPV dose UPending for genomic sequencing</p>																					

* Data as of 30-09-2013

Table 3: Urgent / ITD Pending Cases (2/2)

S. #	Basic information									OPV doses				Urgent		Prov Diagnosis	Lab update			Remarks
	District	Tehsil	Union council	Epid number	Date of Onset	Age (M)	Sex	Date of 1st stool	Stool Adeq	Ri	SIAs	Last 6 SIAs	Last dose	By Field	By NSC		Lab No.	Days Inoc	Culture update	
19	WAZIR-N *	MIR ALI	ALI KHEL	FT/64/13/069	20-Sep-13	12	F		Y	0	0	0		Y	Y	POLIO/GBS	#	#		
20	WAZIR-N *	MIR ALI	ZARKI	FT/64/13/070	20-Sep-13	20	F		Y	0	0	0		Y	Y	POLIO	#	#		
21	CHARSADA	CHARSADA	BATAGRAM	KP/31/13/060	10-Sep-13	3	M	18-Sep-13	N	0	2	2	29-Aug-13	Y	Y	SPINAL MUSCULAR ATROPHY/POLIO	4162		UP	
22	PESHAWAR	PESHAWAR	MASHOGAGAR	KP/30/13/075	23-Sep-13	6	F		#	1	6	5	19-Sep-13	Y	Y	ACUTE MOTOR AXONAL			Specimen collection under process	
23	KHANEWAL	MIAN CHANNU	93	PB/62/13/054	08-Sep-13	7	M	17-Sep-13	Y	3	3	3	20-Aug-13	N	Y	GBS	4173		UP	
24	VEHARI	BUREWALA	58	PB/63/13/063	15-Sep-13	9	M	21-Sep-13	Y	3	3	3	22-Aug-13	N	Y	HYPOKALEMIA	4217		UP	

* New addition

§ New results

#Data not available

Y NSC Criteria = Fever , Rapid Progress, Age < 48 months and OPV Doses <7

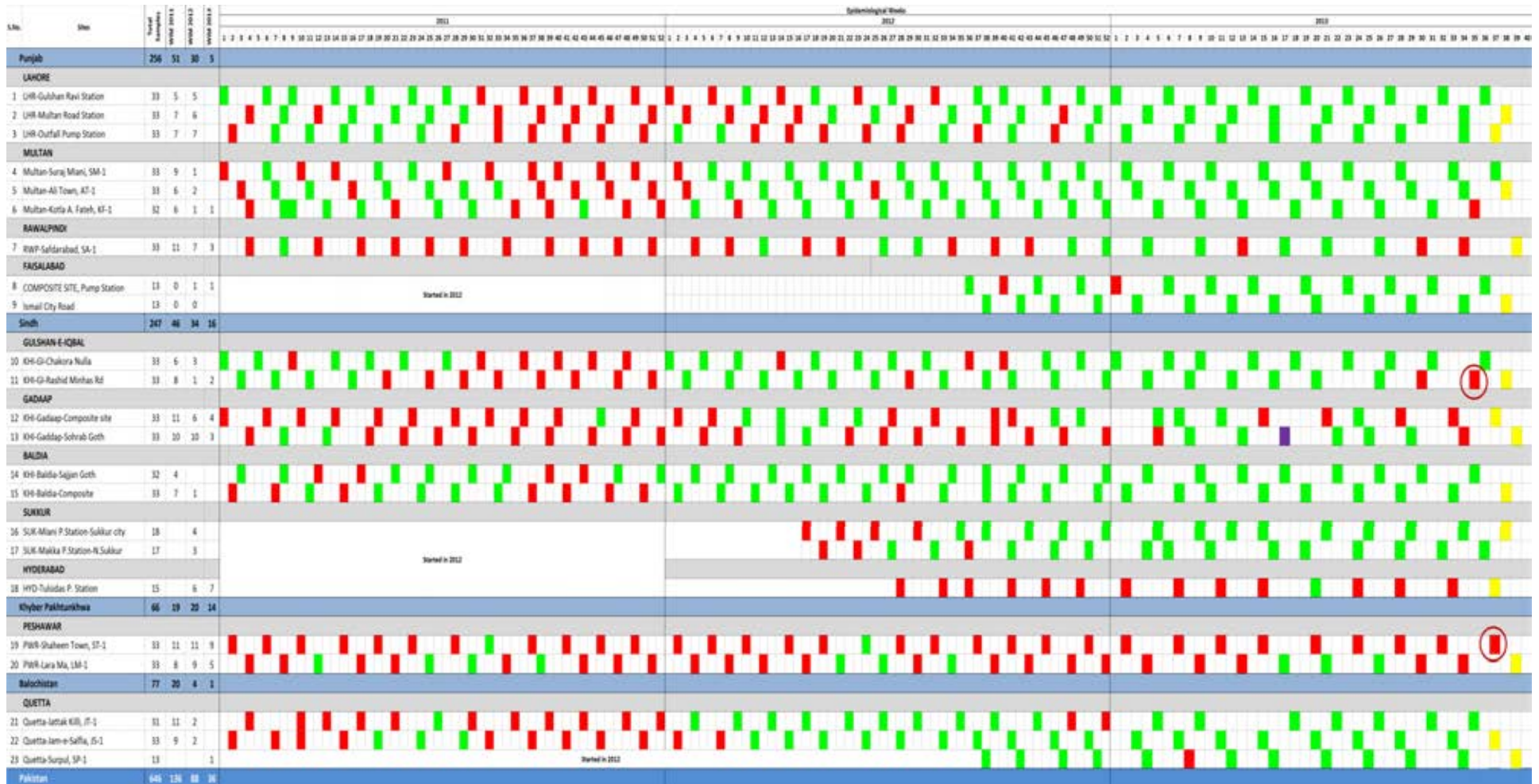
UP = Under process

Urgent (Field/NSC) / Inadequate specimens / Age 12-35 months / Zero OPV dose

OPending for genomic sequencing

Summary of Laboratory data for Environmental Surveillance- Pakistan (Jan 2011 to date)

Report for Epidemiological week= 39 (22 Sep - 28 Sep, 2013)



- Wild poliovirus type 1 (WPV1)
- Wild poliovirus type 3 (WPV3)
- ■ Mixture WPV1 & WPV3
- No WPV Isolated
- Under process
- X Scheduled sampling, sample not collected
- No sampling scheduled
- Mixture WPV1 & VDPV type 2

SUMMARY

Total Sites = 23

Total Samples Collected (2011-2012-2013) = 646

Total Samples with results available = 632

Total samples positive for Wild PV (2011-2012-2013) = **260** (136+88+36) (WPV1= 260)

Samples Positive for VDPV= 1 (Type 2 VDPV from KHI-Gadaap)

Comparison environmental sampling results 2012-13*

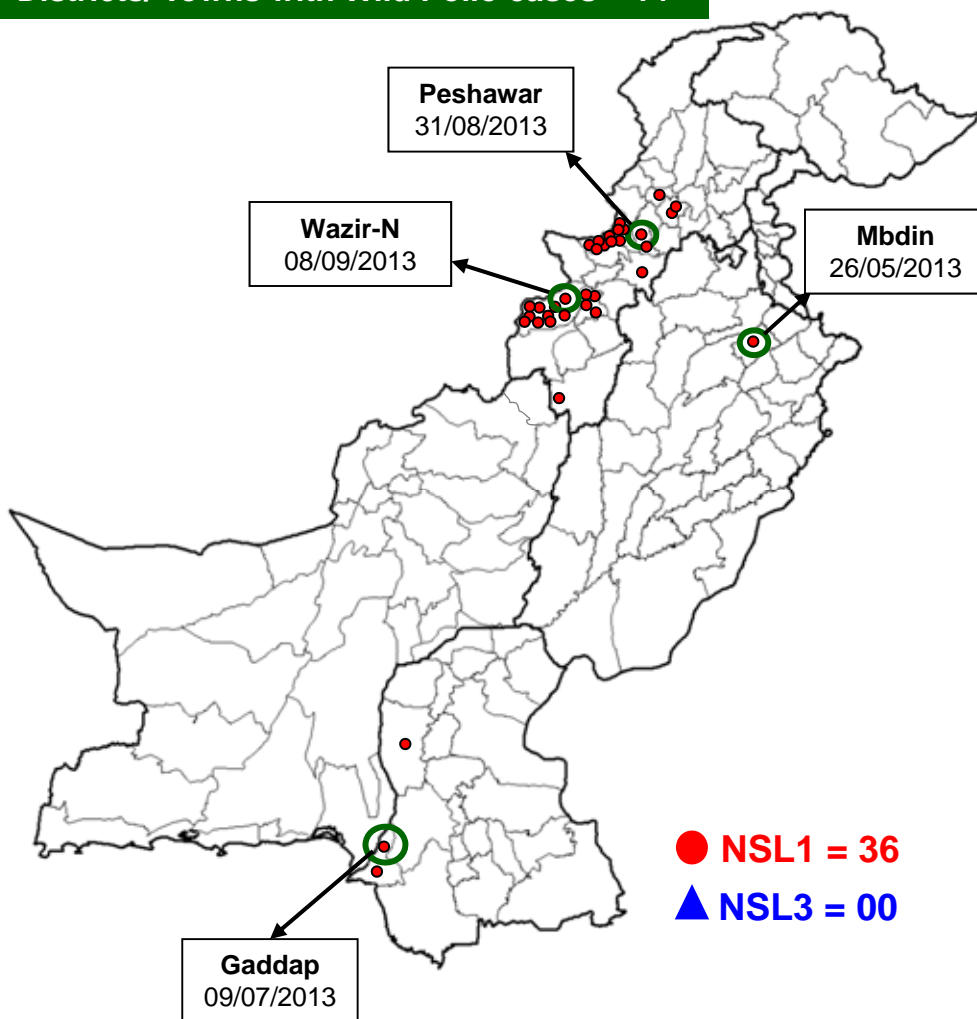
DISTRICT	2012			2013			Last isolate
	TOTAL	WILD		TOTAL	WILD		
	n	n	%	n	n	%	
LAHORE	27	17	63%	41	0	0%	20-Nov-12
MULTAN	27	4	15%	25	1	4%	28-Aug-13
RAWALPINDI	9	6	67%	8	3	38%	24-Aug-13
FAISALABAD	2	0	0%	26	1	4%	03-Jan-13
KHIGIQBAL	18	3	17%	17	2	12%	26-Aug-13
KHIGADAP	27	13	48%	30	7	23%	19-Aug-13
KHIBALDIA	9	0	0%	8	0	0%	10-Jul-12
SUKKUR	11	7	64%	17	0	0%	05-Sep-12
HYDERABAD	3	3	100%	8	7	88%	12-Aug-13
PESHAWAR	18	14	78%	17	14	82%	10-Sep-13
QUETTA	19	2	11%	23	1	4%	20-Feb-13
PAKISTAN	170	69	41%	220	36	16%	10-Sep-13

*Comparison of samples up to 1st September, for both years with available results

Data source Polio RRL

Map1: Distribution of Wild Polio cases Pakistan 2013*

Districts/ Towns with Wild Polio cases = 14



● NSL1 = 36

▲ NSL3 = 00

○ District with last polio case in province

Cases randomly placed in districts

— Provincial Boundary
— Districts Boundary

* Afp.rec Data as of 30-09-2013

Province/ Country	Date of Last Case		Number of cases 2013	
	P1	P3	P1	P3
PUNJAB	May, 2013	Jun, 2010	2	-
SINDH	July, 2013	Jan, 2010	3	-
KHYBER- PAKHTUNKHWA	Aug, 2013	Oct, 2010	7	-
FATA	Sep, 2013	Apr, 2012	24	-
BALUCHISTAN	Oct, 2012	Apr, 2010	-	-
AJK	-	Jun, 2000	-	-
GILGIT-BALTISTAN	Aug, 2012	-	-	-
ISLAMABAD	Sep, 2008	Sep, 2008	-	-
PAKISTAN	Sep, 2013	Apr, 2012	36	-

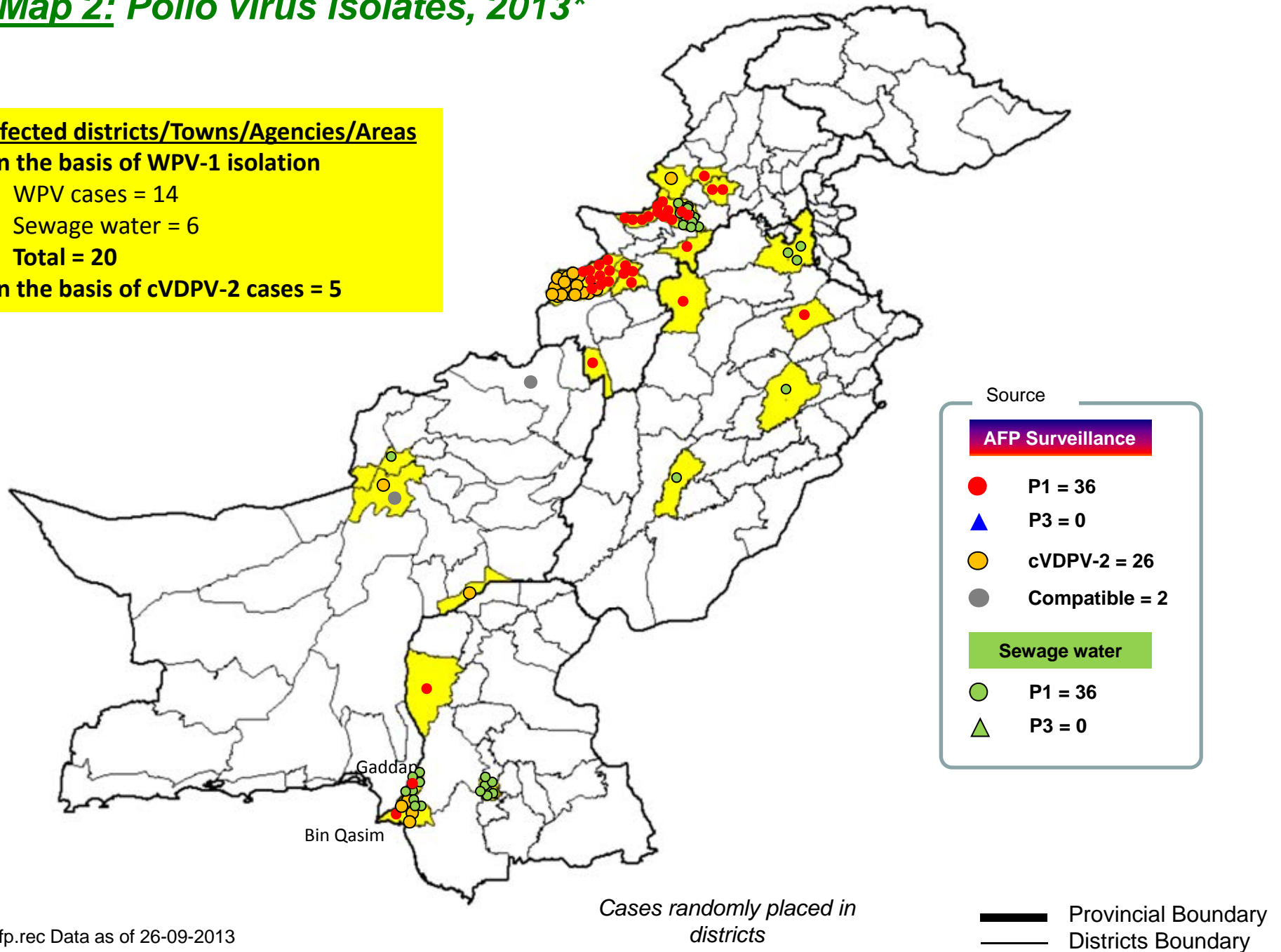
Map 2: Polio virus isolates, 2013*

Infected districts/Towns/Agencies/Areas

On the basis of WPV-1 isolation

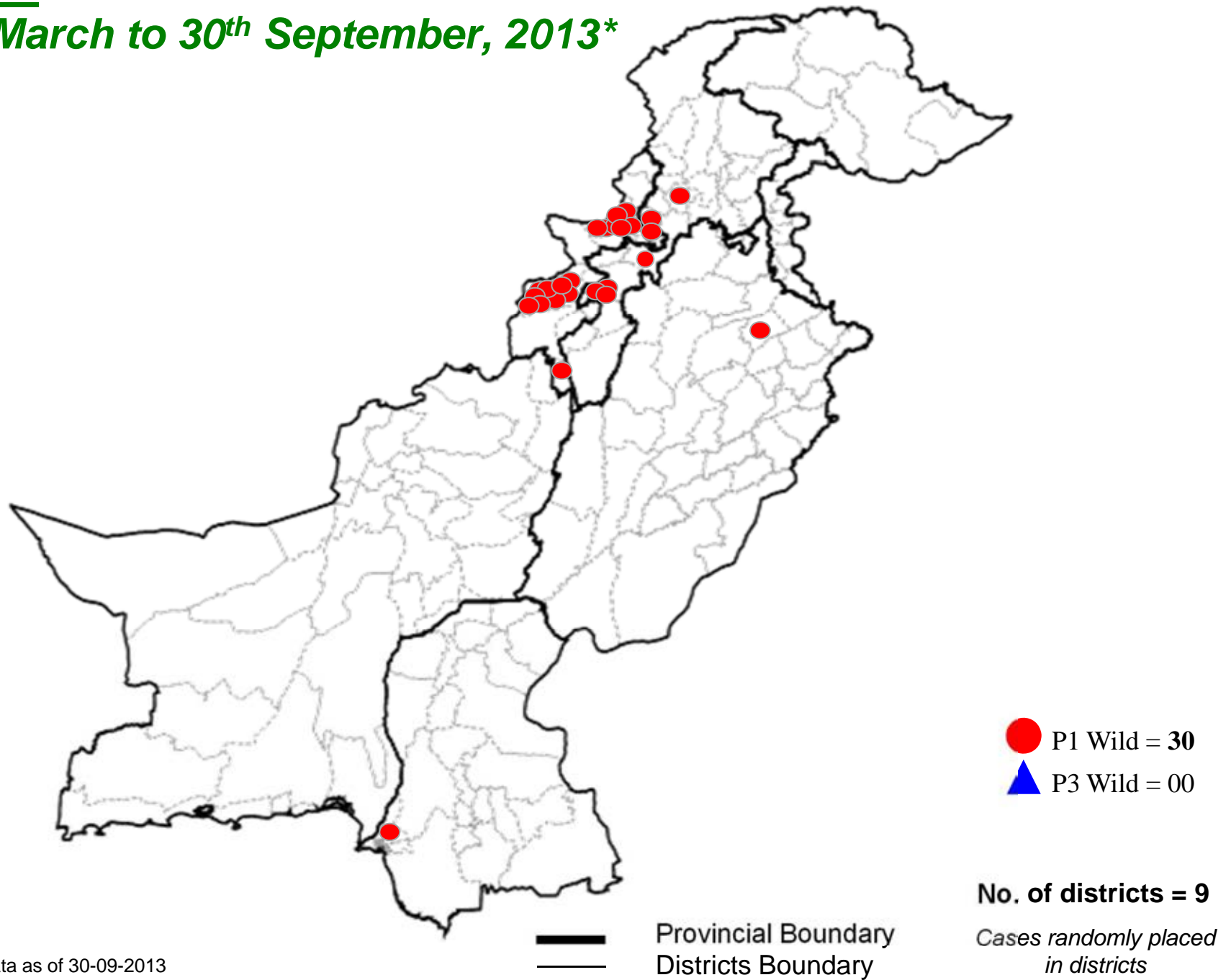
- WPV cases = 14
- Sewage water = 6
- Total = 20

On the basis of cVDPV-2 cases = 5



* Afp.rec Data as of 26-09-2013

Map 3: Wild Polio cases in the last 6 months from 31st March to 30th September, 2013*



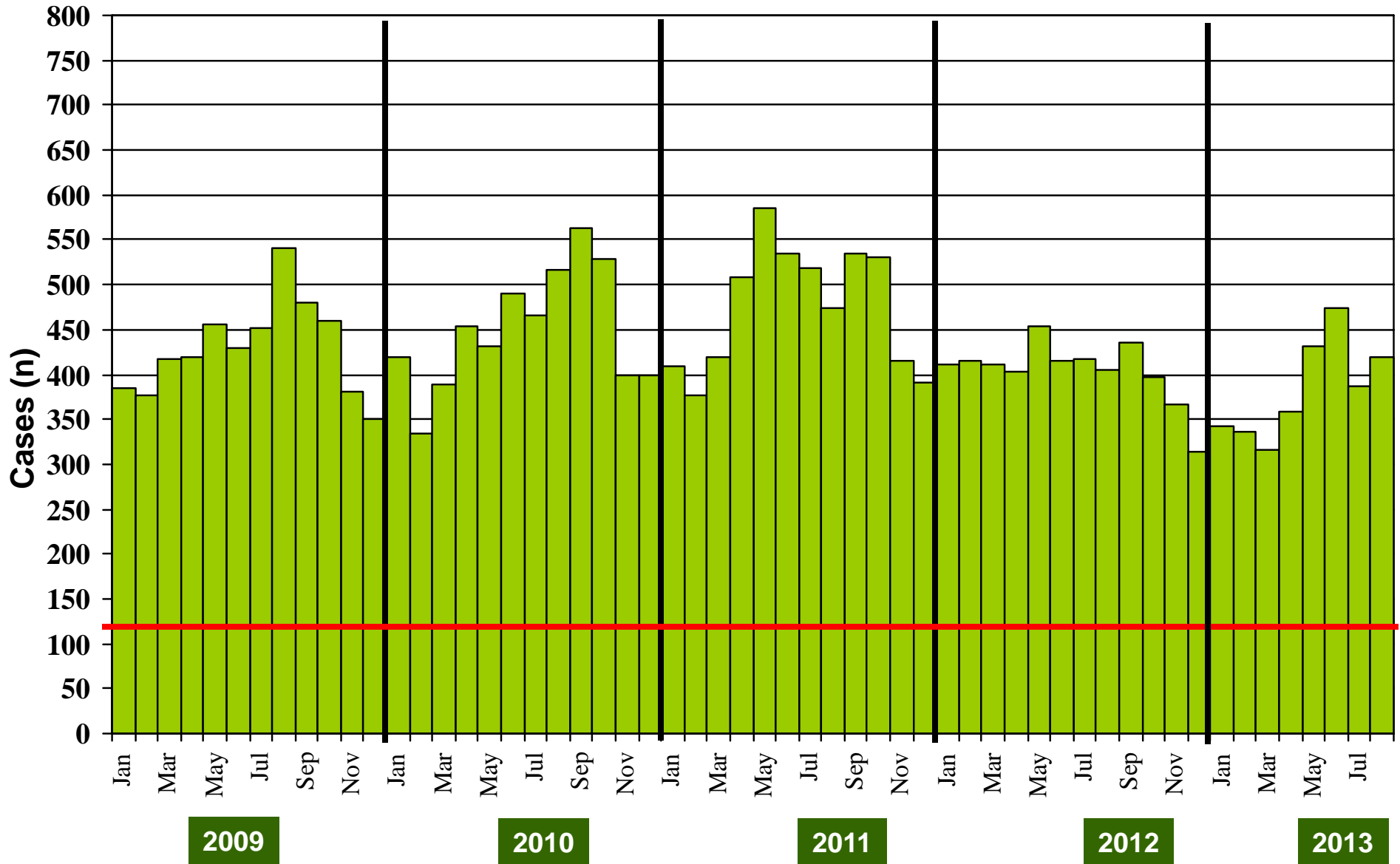
**Table 4: Distribution of AFP Cases By Week of Onset ^
Pakistan 2013* [Week number/Ending on]**

PROVINCE	W 24 15 June 2013	W 25 22 June 2013	W 26 29 June 2013	W 27 06 July 2013	W 28 13 July 2013	W 29 20 July 2013	W 30 27 July 2013	W 31 03 Aug 2013	W 32 10 Aug 2013	W 33 17 Aug 2013	W 34 24 Aug 2013	W 35 31 Aug 2013	W 36 07 Sep 2013	W 37 14 Sep 2013	W 38 21 Sep 2013
PUNJAB	62	47	41	45	47	44	37	54	28	50	51	40	47	45	29
SINDH	13	27	18	20	23	14	19	11	18	27	25	19	20	22	2
KP	21	14	13	18	19	18	22	19	14	24	17	24	19	12	5
FATA	6	1	4	8	8	2	5	4	13	5	12	8	10	17	4
BALUCHISTAN	4	8	5	3	3	6	3	2	3	8	9	2	1	4	1
AJK	1	2	1	2	0	1	2	0	0	2	2	2	0	1	0
GILGIT BILTISTAN	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0
ISLAMABAD	0	0	0	1	0	0	1	0	0	1	0	1	0	0	0
PAKISTAN	107	99	82	98	100	85	89	90	76	117	116	96	98	101	41

* Afp.rec & Afplab.rec: Data as of 26-09-2013

^ MMWR Epidemiological Weeks

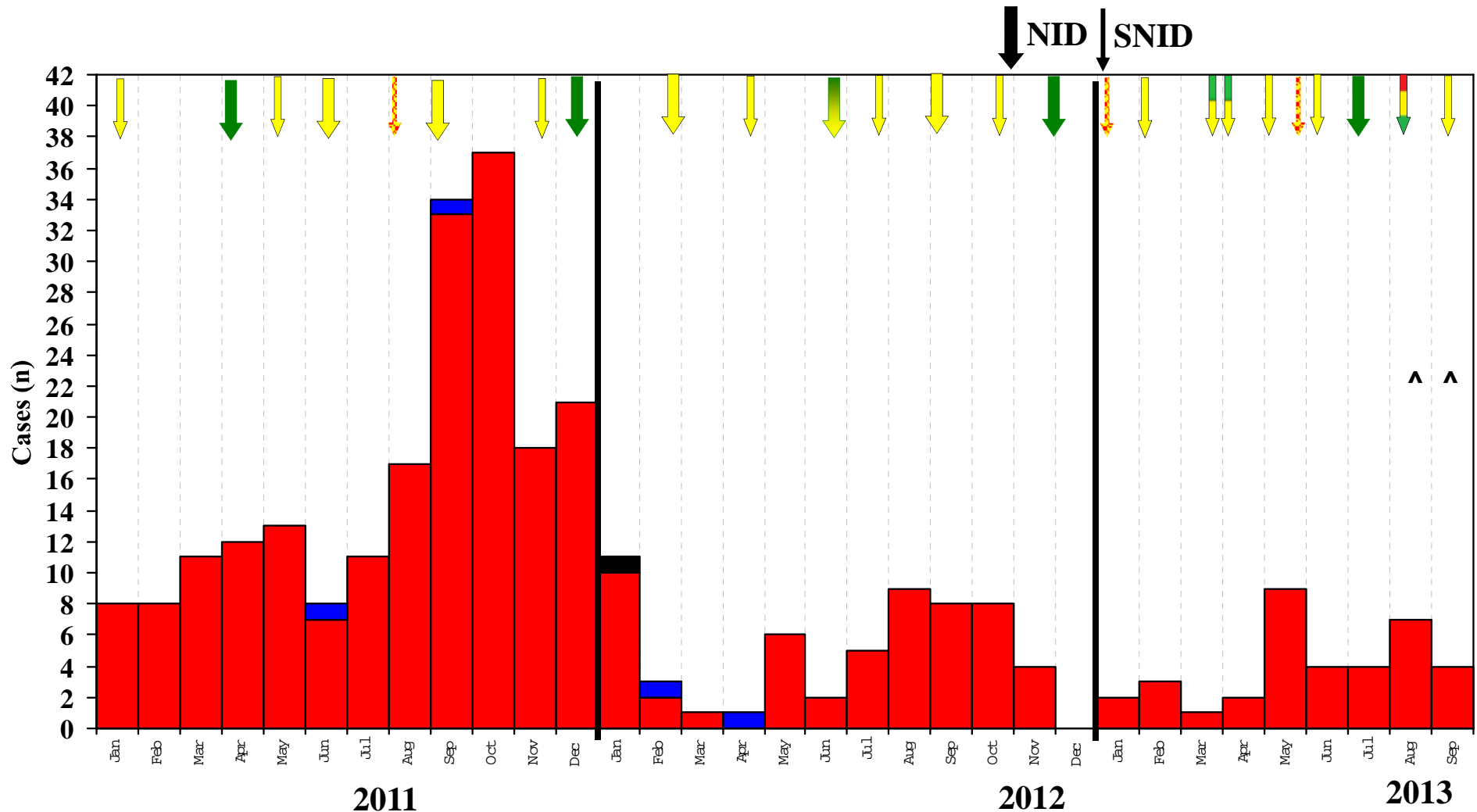
Graph 1: Distribution of AFP Cases by Month, Pakistan 2009-2013*



@ Non-polio AFP rate of 2/100,000 children < 15 years

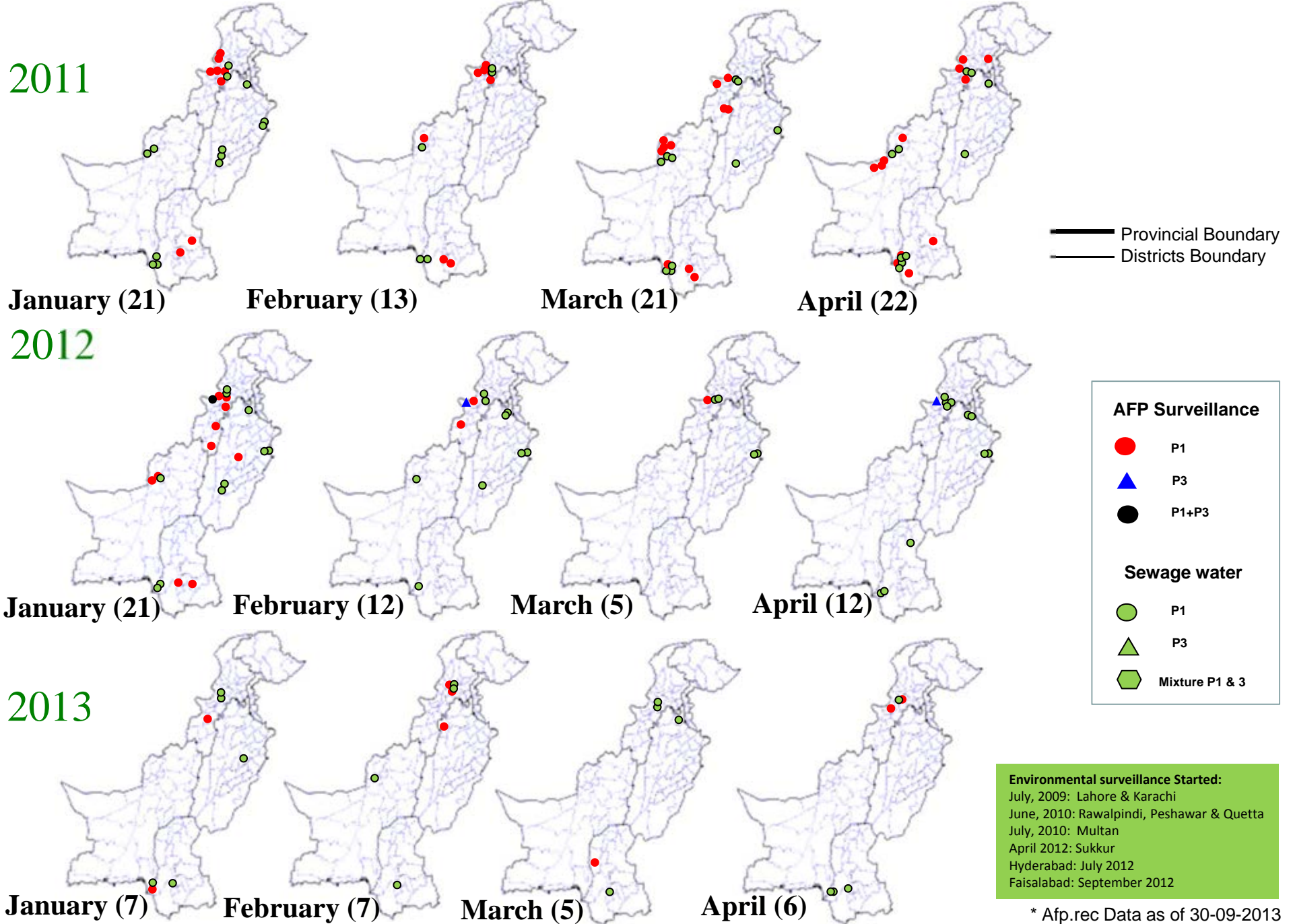
*Afp.rec Data as of 26-09-2013

Confirmed Polio Cases By Poliovirus Type, 2011-2013*

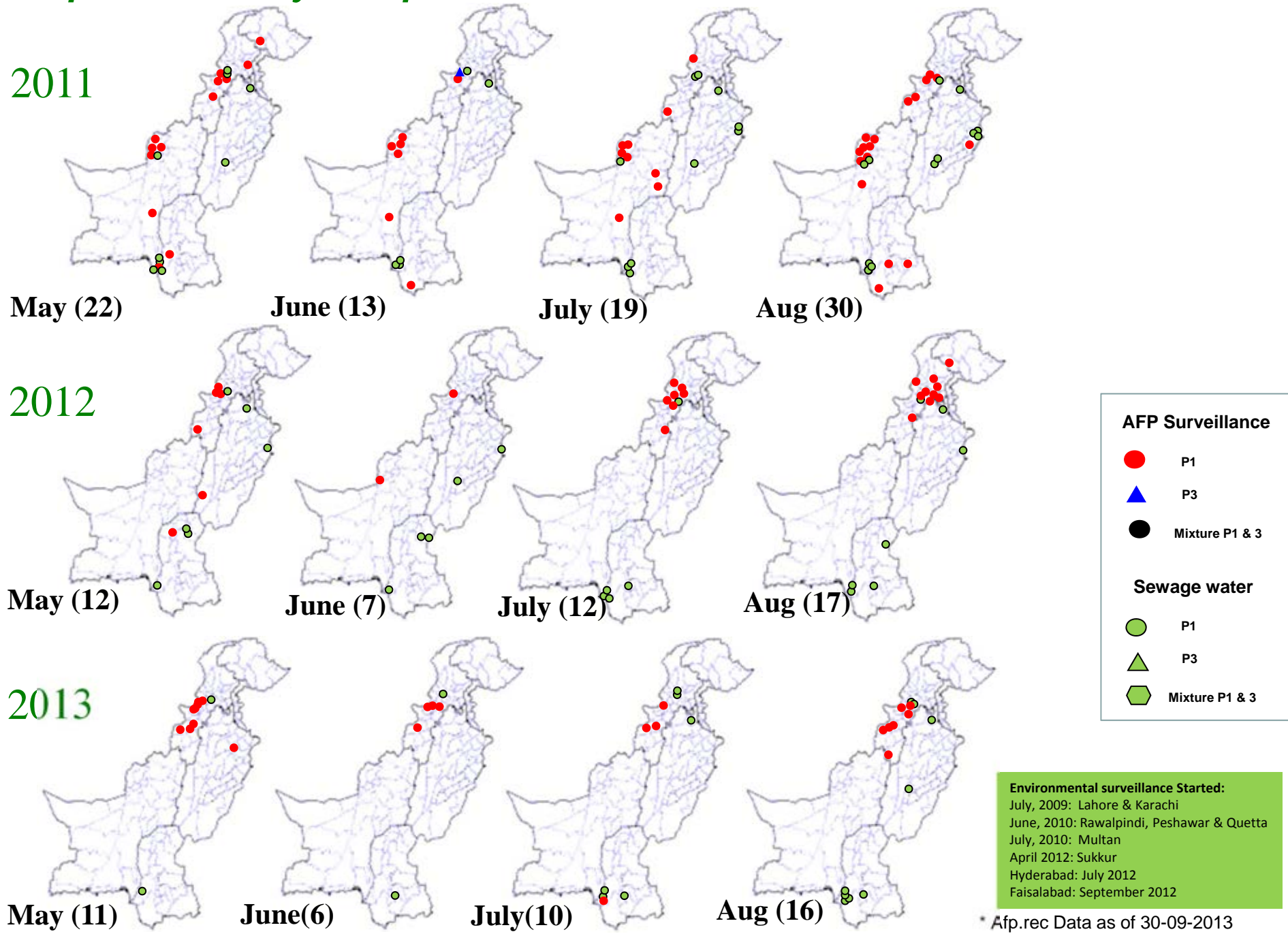


* Data source AFP 30/09/2013

Map 4: Monthly Comparison of P1 & P3 Polio Cases/Isolates 2011-2013*

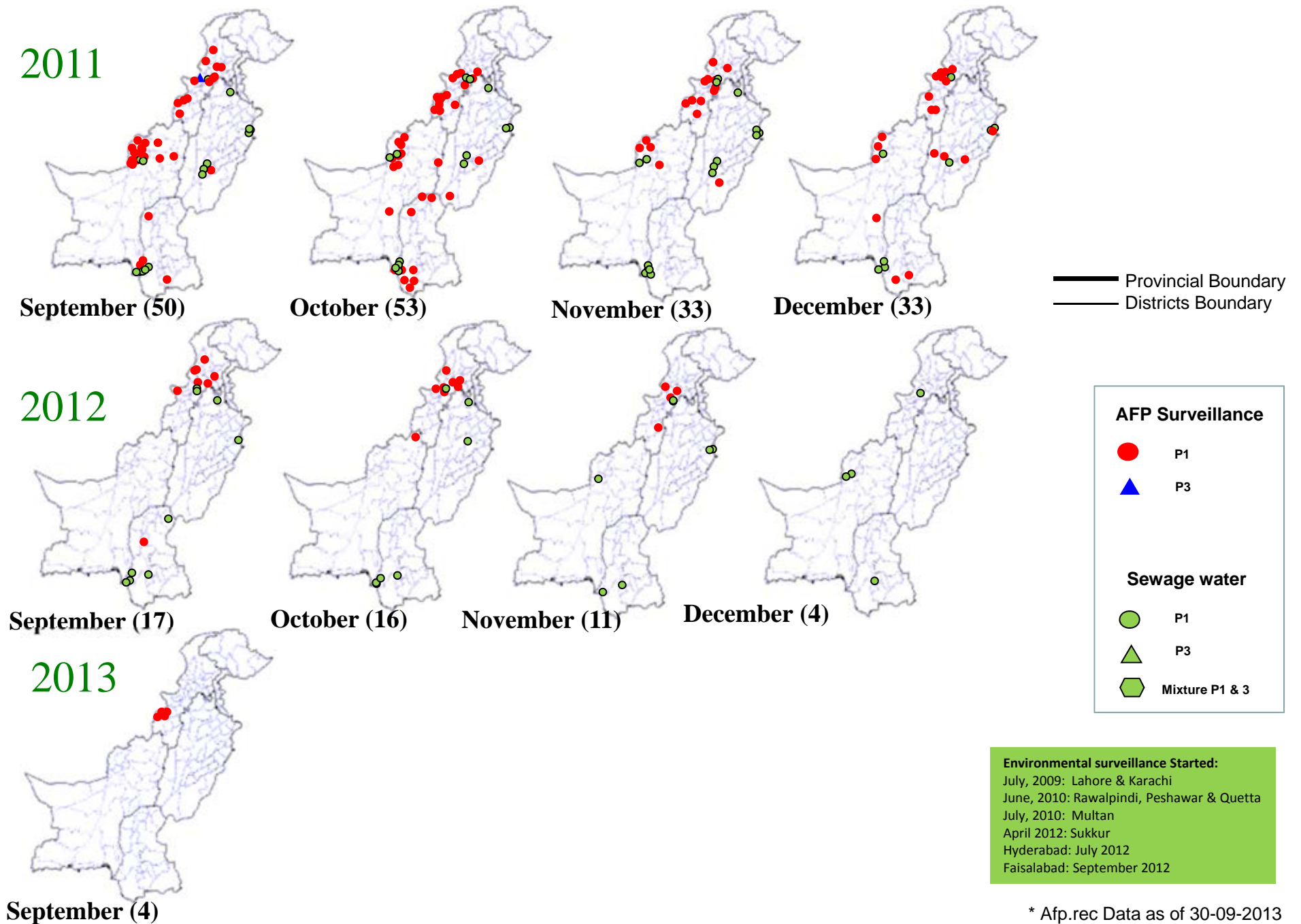


Map 4.1: Monthly Comparison of P1 & P3 Polio Cases/Isolates 2011-2013*



* Afp.rec Data as of 30-09-2013

Map 4.2: Monthly Comparison of P1 & P3 Polio Cases/Isolates 2011-2013*

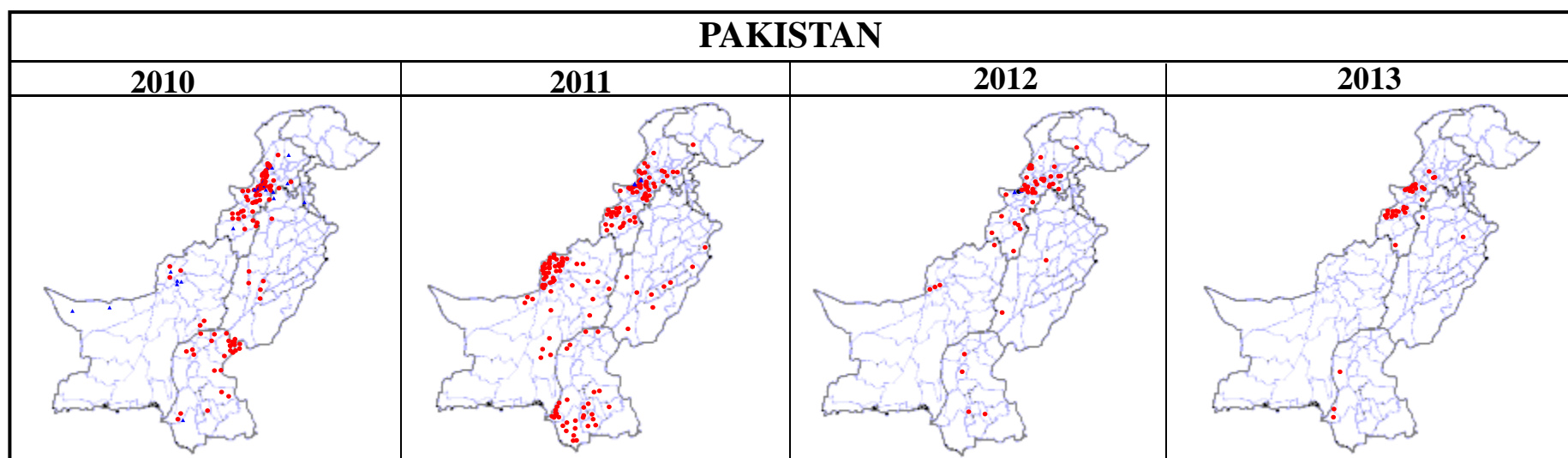


* Afp.rec Data as of 30-09-2013

Table 5: Polio Eradication Update, Pakistan 2010-2013*

Province/Region	Polio 1				Polio 3				Total Wild			
	2010	2011	2012	2013	2010	2011	2012	2013	2010	2011	2012	2013
PUNJAB	6	9	2	2	1	0	-	-	7	9	2	2
SINDH	26	33	4	3	1	0	-	-	27	33	4	3
KP	19	23	27	7	5	0	-	-	24	23	27	7
FATA^	63	57	17	24	11	2	2	-	74	59	20^	24
BALUCHISTAN	6	73	4	-	6	0	-	-	12	73	4	-
AJK	0	0	-	-	0	0	-	-	0	0	-	-
Gilgit-Baltistan	0	1	1	-	0	0	-	-	0	1	1	-
ISLAMABAD	0	0	-	-	0	0	-	-	0	0	-	-
PAKISTAN	120	196	55	36	24	2	2	-	144	198	58	36

^ FATA reported mixture of NSL1 & NSL3



* Afp.rec Data as of 30-09-2013

Table 6: Vaccination status of non polio AFP cases age 6-59 months 2010-2013*

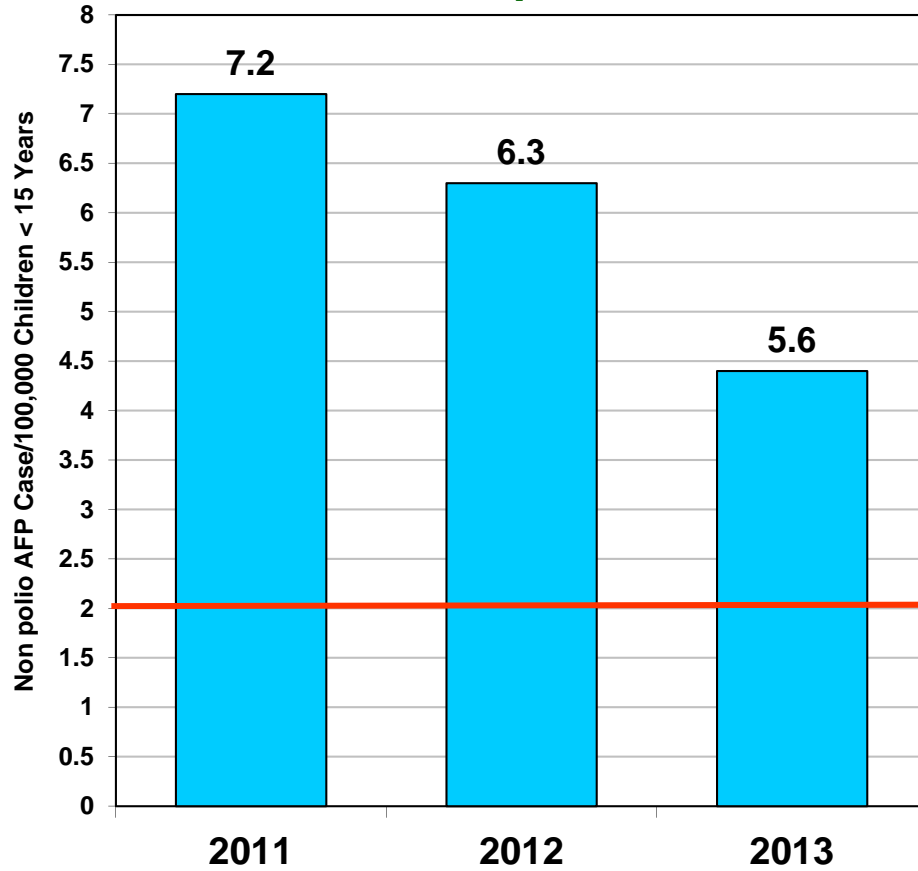
REGION	0 dose				1-2 doses				3 doses				4-6 doses				7+ doses			
	10	11	12	13	10	11	12	13	10	11	12	13	10	11	12	13	10	11	12	13
Central Punjab	0%	0%	0%	0%	1%	1%	0%	0%	1%	2%	0%	1%	7%	6%	4%	9%	91%	92%	95%	89%
North Punjab	0%	0%	0%	0%	0%	1%	0%	0%	2%	1%	0%	0%	6%	5%	4%	4%	91%	93%	96%	96%
South Punjab	0%	0%	0%	0%	1%	0%	0%	0%	0%	1%	0%	0%	5%	5%	4%	5%	94%	93%	96%	94%
PUNJAB	0%	0%	0%	0%	1%	1%	0%	0%	1%	1%	0%	0%	6%	5%	4%	7%	92%	93%	96%	92%
Karachi	2%	4%	1%	0%	0%	1%	1%	4%	3%	0%	2%	0%	7%	6%	6%	6%	88%	88%	90%	91%
North Sindh	0%	0%	0%	0%	1%	1%	0%	0%	0%	0%	1%	0%	4%	5%	4%	5%	95%	94%	94%	95%
South Sindh	0%	1%	0%	0%	1%	1%	1%	1%	1%	0%	2%	1%	9%	6%	4%	9%	89%	93%	93%	89%
SINDH	1%	1%	0%	0%	1%	1%	1%	1%	1%	0%	1%	0%	7%	6%	4%	7%	91%	92%	93%	92%
Central Khyber Pakhtunkhwa	1%	1%	2%	1%	0%	1%	1%	1%	1%	0%	0%	1%	2%	3%	2%	1%	97%	95%	95%	97%
North Khyber Pakhtunkhwa	2%	1%	2%	0%	1%	2%	2%	1%	2%	1%	2%	1%	6%	7%	9%	6%	89%	90%	85%	92%
South Khyber Pakhtunkhwa	3%	2%	2%	0%	3%	4%	1%	0%	3%	4%	1%	0%	14%	7%	9%	5%	76%	83%	87%	95%
Khyber Pakhtunkhwa	1%	1%	2%	1%	1%	2%	1%	1%	2%	1%	1%	1%	6%	5%	6%	3%	90%	91%	89%	95%
FATA	14%	14%	18%	35%	11%	10%	6%	7%	6%	5%	3%	7%	18%	11%	12%	7%	51%	61%	62%	41%
North Balochistan	12%	4%	12%	14%	0%	12%	10%	14%	4%	23%	3%	2%	12%	12%	17%	19%	72%	50%	57%	51%
Quetta Block	0%	31%	14%	11%	11%	10%	10%	11%	0%	3%	0%	0%	9%	14%	14%	11%	81%	43%	62%	68%
Rest of Balochistan	6%	7%	9%	7%	2%	2%	6%	3%	2%	5%	5%	3%	11%	10%	10%	24%	78%	76%	70%	62%
BALOCHISTAN	5%	16%	8%	8%	4%	6%	8%	8%	2%	6%	3%	3%	11%	12%	17%	18%	78%	60%	64%	62%
PAKISTAN	1%	2%	1%	2%	1%	1%	1%	1%	1%	1%	1%	1%	7%	6%	5%	7%	89%	89%	92%	89%

* Afp.rec Data as of 26-09-2013

Key Surveillance Indicators; 2011-2013*

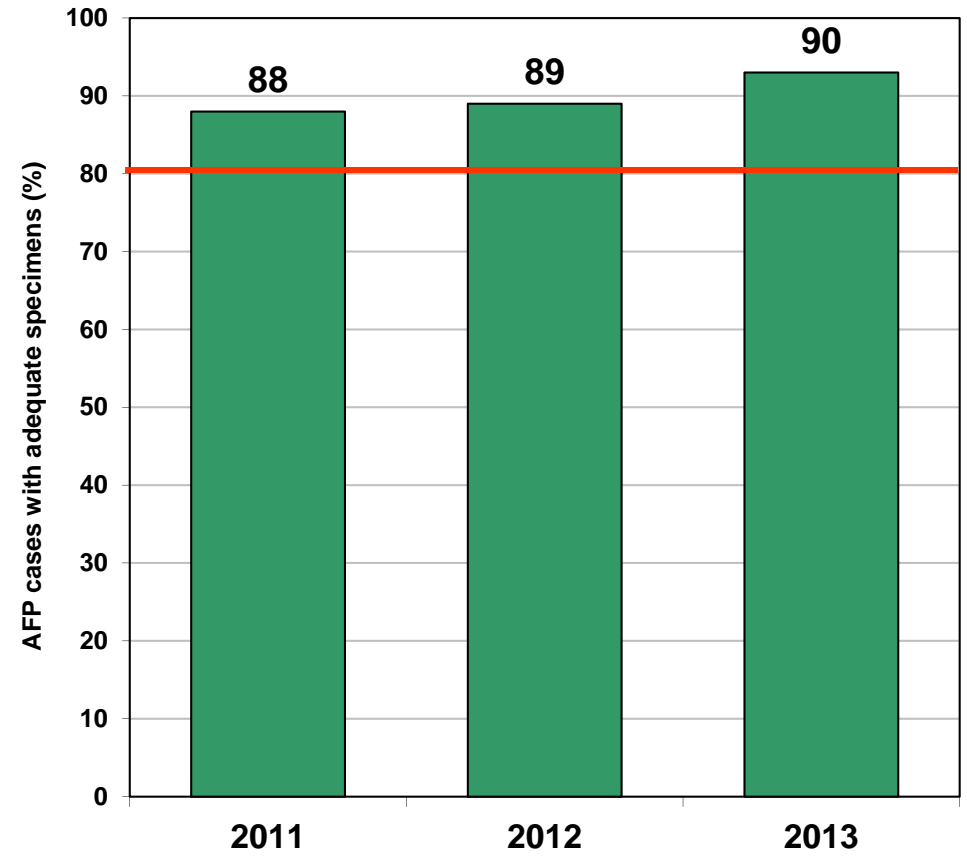
(Non polio AFP rate and % AFP cases with adequate specimens)

Graph 3



■ Non Polio AFP Rate

Graph 4



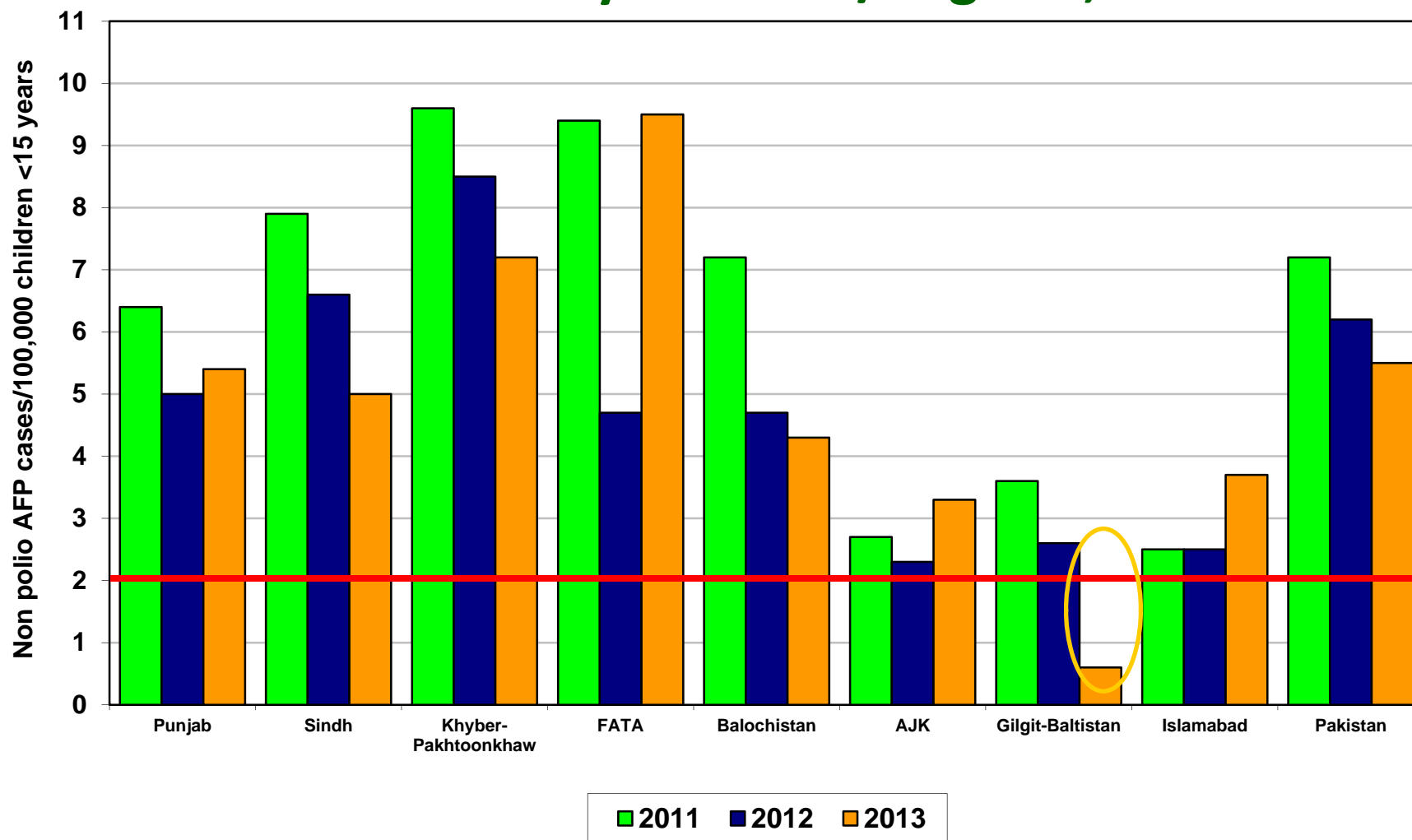
■ % AFP with Adequate Specimens

— Target

Non Polio AFP rate Up to Week No. 38 ended on 21st September, 2013

* Afp.rec Data as of 26-09-2013

Non Polio AFP Rate By Province/Regions, 2011-2013*

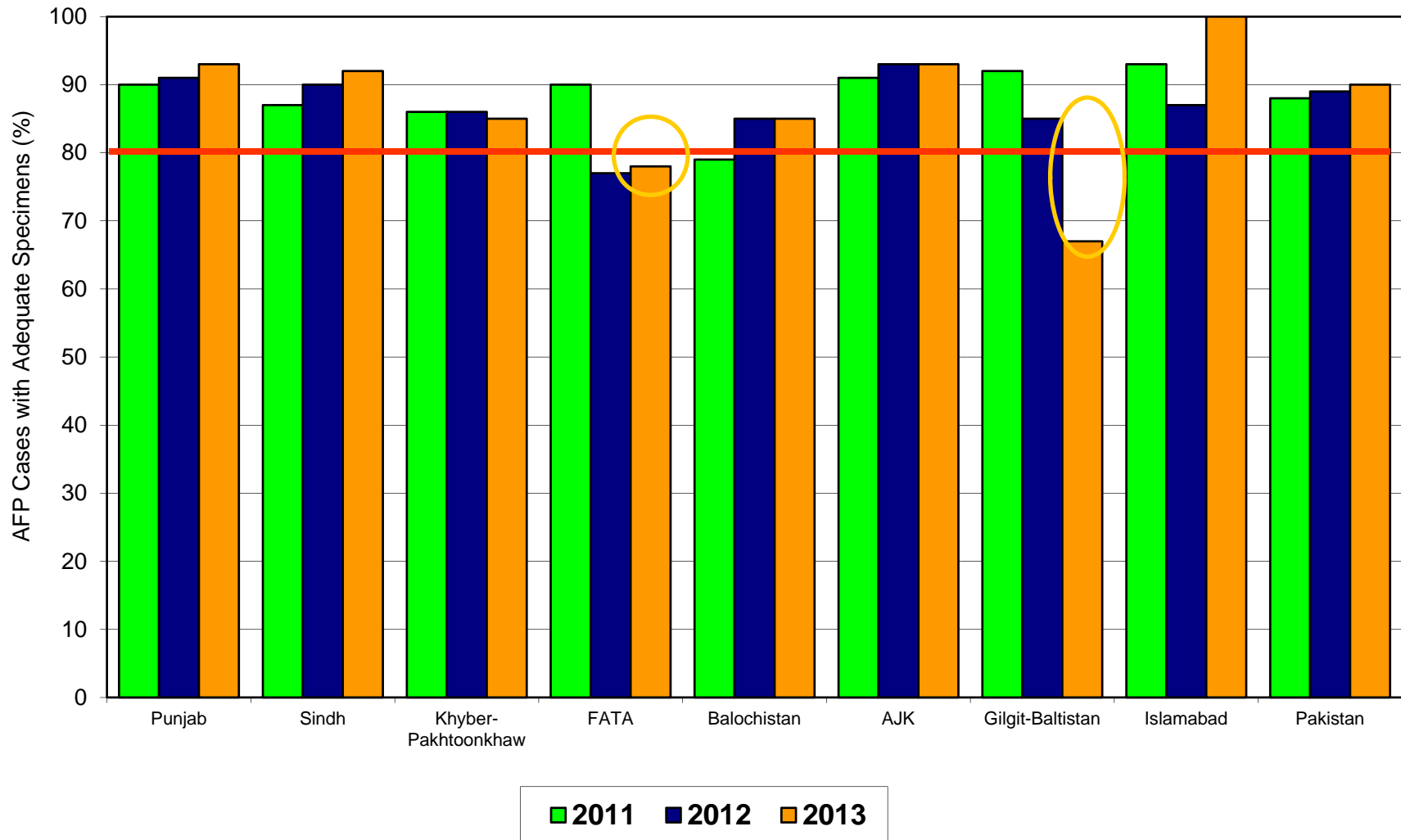


Non Polio AFP rate Up to Week No. 38 ended on 21st September, 2013

 Target Non-Polio AFP Rate 2/ 100000 < 15 years of the age

* Data source AFP 26/09/2013

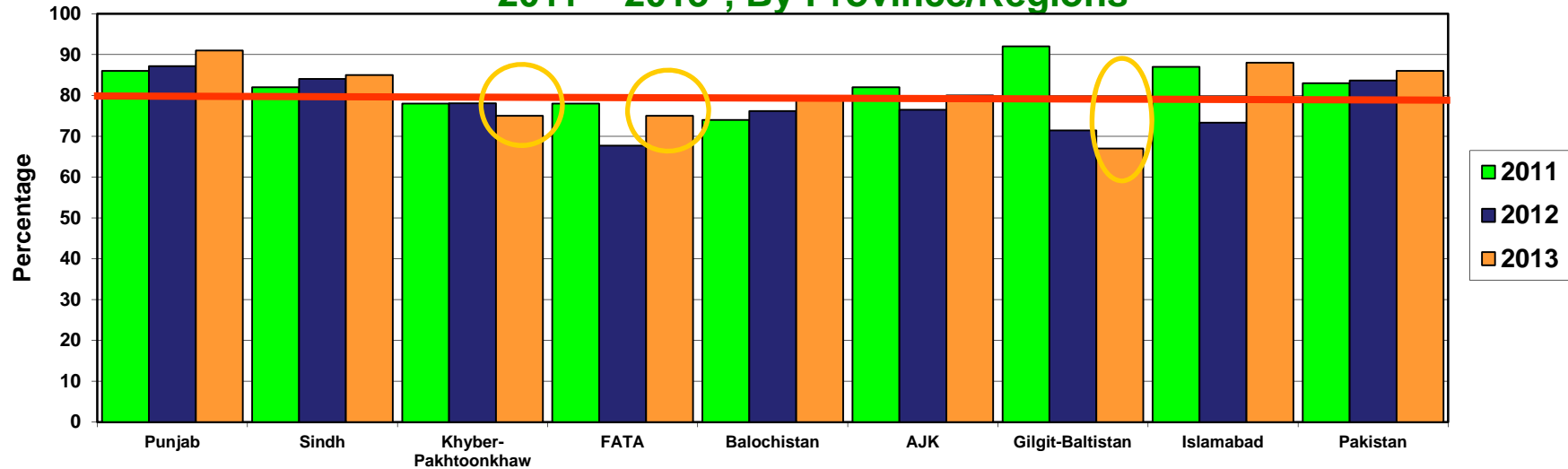
Percent AFP Cases with Adequate Specimens By Province/Regions, 2011-2013*



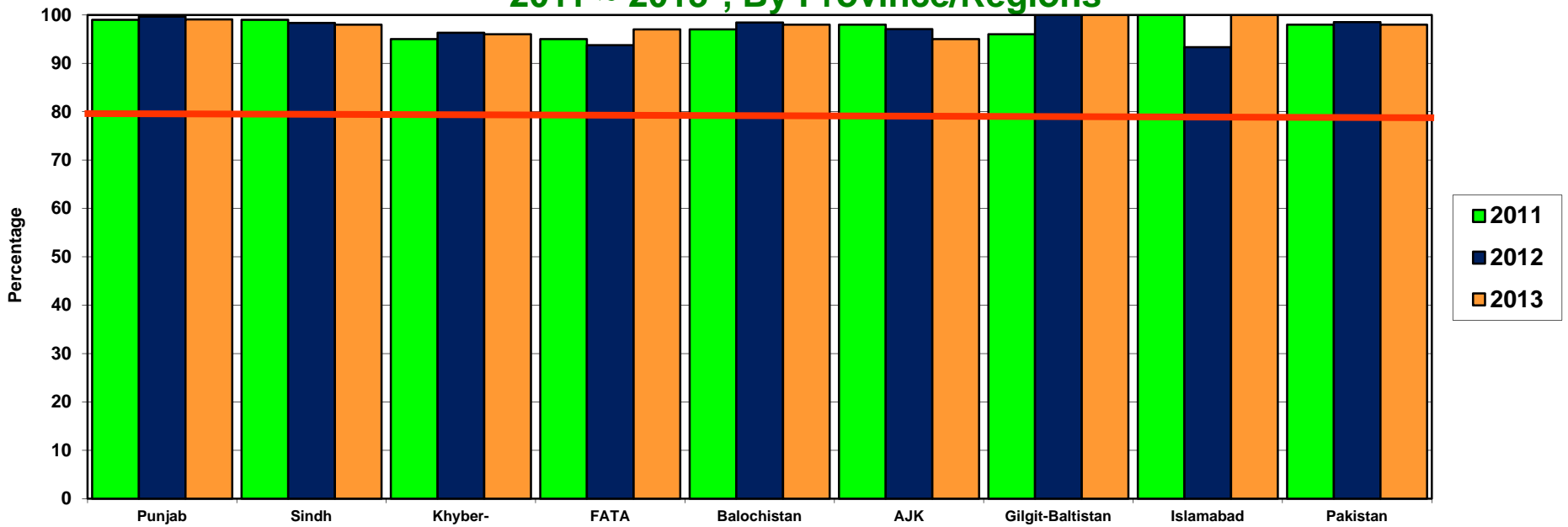
* Data source AFP 26/09/2013

Target Adequate Sample cases = 80%

**Graph 5: Percent AFP Cases Notified within 07 days of paralysis onset
2011 ~ 2013*, By Province/Regions**



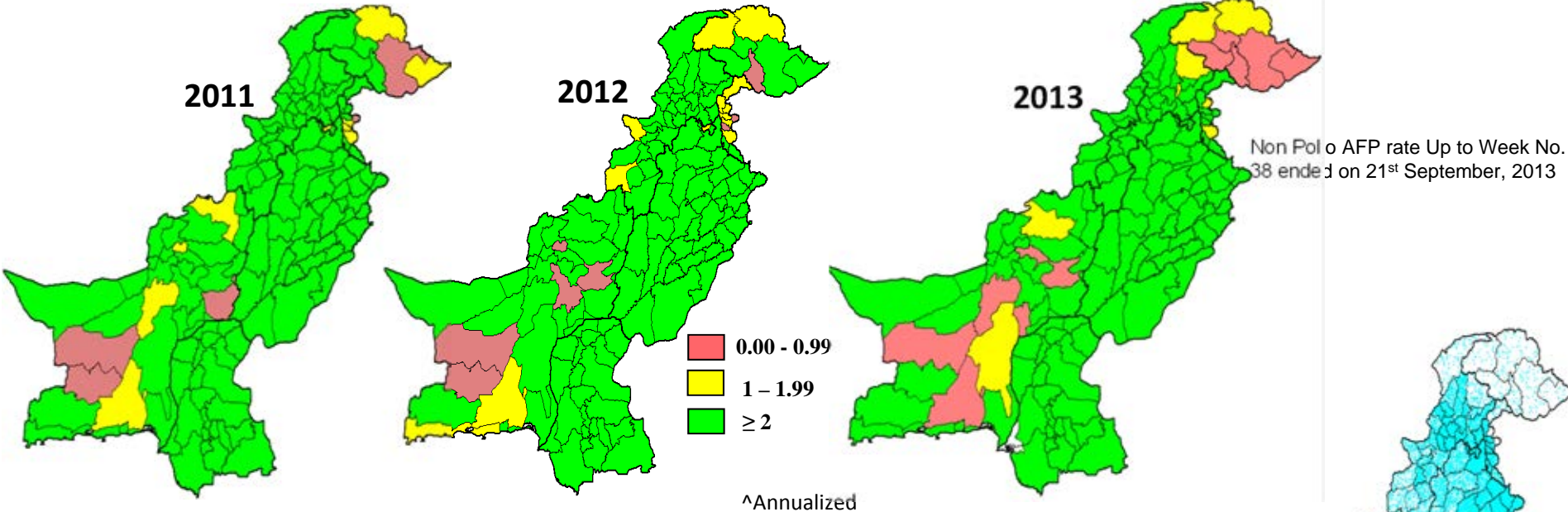
**Graph 6: Percent AFP Cases Investigated within 48 hours of notification
2011 ~ 2013*, By Province/Regions**



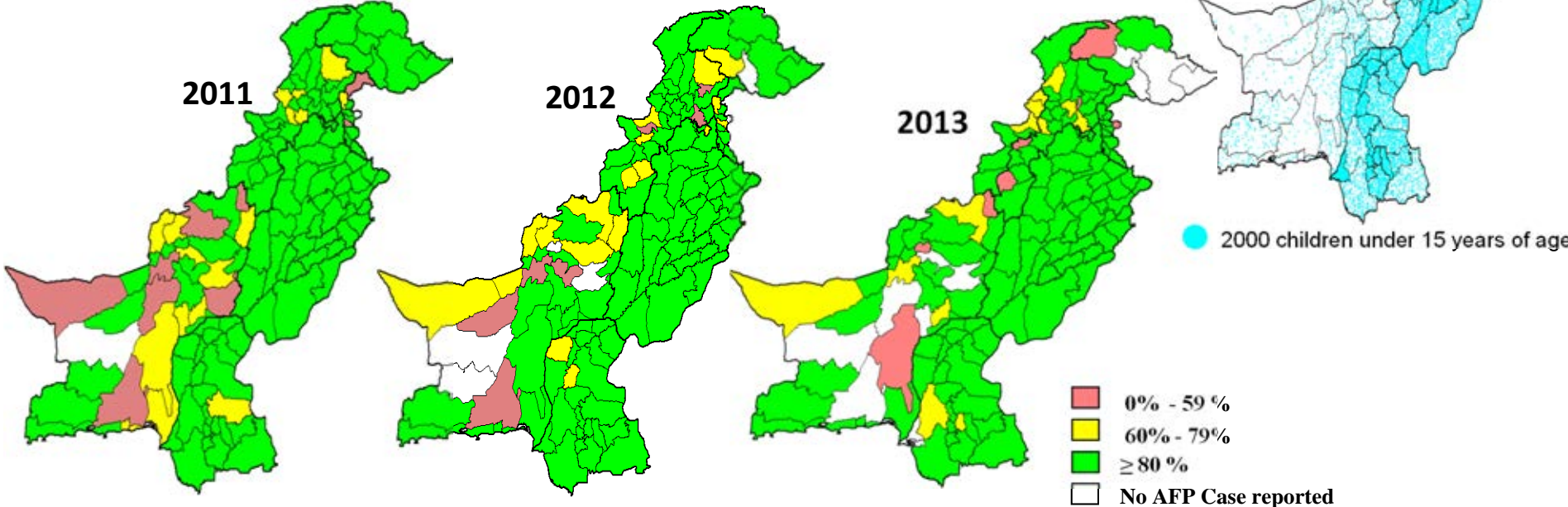
* Afp.rec Data as of 26-09-2013

— Target

Non-Polio^ AFP Rate by District



Percent AFP Cases with Adequate Specimens, by District



* Data source AFP 26/09/2013

Table 7: AFP CASES PENDING FOR CLASSIFICATION WITH DATE OF ONSET MORE THAN 90 DAYS* 2013 (1/2)

S. No	DISTRICT	TEHSIL	EPID	SEX	AGE	DONSET	DOSE€	DSTOOL1	DSTOOL2	LAB	FEVER	ASVM	PROG	FUP	PEND (DAYS)
1	KARAK	KARAK	KP/51/13/005	F	13	01-01-13	7+	15-02-13	17-02-13	EV	N	Y	Y	Y	268
2	KHYBER	LANDI KOTAL	FT/34/13/003	M	84	10-02-13	7+	25-02-13	27-02-13	NVI	Y	N	Y		228
3	KHYBER	JAMRUD	FT/34/13/004	F	16	22-01-13	7+	05-03-13	06-03-13	EV	Y	Y	Y		247
4	MARDAN	MARDAN	KP/40/13/007	M	29	17-01-13	7+	06-02-13	07-02-13	EV	Y	Y	Y	Y	252
5	PESHAWAR	PESHAWAR	KP/30/13/008	M	96	15-01-13	7+	26-02-13	27-02-13	NVI	N	N	Y	Y	254
6	SWAT	SWAT	KP/24/13/004	M	120	20-02-13	7+	Child Died Before Stool Collection			Y	N	Y	DIED	218
7	WAZIR-N	MIRAN SHAH	FT/64/13/001	M	96	08-02-13	6	13-02-13		NVI	Y	N	Y	DIED	230
8	BAHAWALPUR	HASILPUR	PB/71/13/029	F	18	27-06-13	7+	24-07-13	25-07-13	EV	Y	Y	Y	Y	91
9	BAHWLNAGAR	MINCHINABAD	PB/73/13/038	F	120	08-06-13	7+	29-06-13	01-07-13	EV	N	N	Y	Y	110
10	BAHWLNAGAR	FORTABBAS	PB/73/13/043	M	102	23-06-13	7+	Child Died Before Stool Collection			Y	N	Y	DIED	95
11	FAISALABAD	TANDLIAN WALA	PB/51/13/049	F	18	22-05-13	7+	27-06-13	28-06-13	NVI	Y	Y	UK	Y	127
12	GUJRANWALA	KHIALI SHAHPUR	PB/21/13/055	M	96	14-06-13	7+	03-07-13	05-07-13	NVI	Y	Y	Y	Y	104
13	LODHRAN	LODHRAN	PB/64/13/035	M	84	22-05-13	7+	14-07-13	15-07-13	NVI	N	N	Y	Y	127
14	MULTAN	JALALPUR PIRWALA	PB/61/13/046	M	76	18-05-13	7+	17-06-13	19-06-13	NVI	Y	Y	Y	Y	131
15	OKARA	DEPALPUR	PB/34/13/031	M	24	27-05-13	7+	07-07-13	08-07-13	EV	N	Y	Y	Y	122
16	PAKPATTEN	PAKPATTAN	PB/66/13/021	M	60	14-06-13	7+	Late Notified			Y	Y	Y	Y	104
17	RAJANPUR	RAJANPUR	PB/82/13/036	F	6	03-06-13	5	07-07-13	08-07-13	EV	Y	Y	Y	Y	115
18	RAWALPINDI	RAWALPINDI	PB/11/13/028	M	132	13-05-13	7+	03-06-13	05-06-13	NVI	N	N	Y	Y	136
19	SAHIWAL	SAHIWAL	PB/65/13/024	M	120	12-06-13	7+	22-07-13	23-07-13	NVI	Y	Y	Y	Y	106
20	SAHIWAL	CHICHAWATNI	PB/65/13/025	F	6	25-06-13	5	30-07-13	01-08-13	NVI	Y	N	Y	Y	93
21	SHEIKUPURA	FEROZEWALA	PB/33/13/030	M	144	22-05-13	7+	14-06-13	15-06-13	NVI	N	Y	Y	Y	127
22	TTSINGH	GOJRA	PB/52/13/032	M	2	24-06-13	3	25-07-13	27-07-13	EV	Y	N	Y	Y	94
23	HYDERABAD	HYDERABAD RURAL	SD/21/13/006	M	84	01-04-13	7+	Child Died Before Stool Collection			Y	N	Y	DIED	178
24	JACOBABAD	THUL	SD/53/13/013	M	156	16-05-13	7+	11-06-13	15-06-13	NVI	Y	Y	Y	Y	133
25	JACOBABAD	THUL	SD/53/13/017	M	10	26-06-13	7+	26-07-13	27-07-13	EV	Y	Y	Y	Y	92
26	JAMSHORO	T.B.KHAN	SD/25/13/009	F	18	03-05-13	7+	25-05-13	12-06-13	NVI	N	N	Y	Y	146
27	KAMBAR	WARAH	SD/55/13/006	M	96	01-01-13	7+	Late Notified			N	Y	Y	Y	268
28	KASHMORE	KANDHKOT	SD/54/13/002	M	54	27-05-13	7+				N	N	Y	LOST	122
29	KHIBALDIA	BALDIA	SD/61/13/005	F	36	18-06-13	4	Child Died Before Stool Collection			N	N	Y	DIED	100
30	KHIGADAP	GADAP	SD/63/13/010	F	42	02-06-13	7+				Y	N	Y	DIED	116
31	KHIJAMSHEED	JAMSHEED	SD/66/13/004	F	60	01-05-13	7+				Y	N	Y	DIED	148
32	KHIKAMARI	KAMARI	SD/67/13/005	M	108	25-06-13	7+	07-07-13	15-07-13	NVI	Y	Y	Y	Y	93
33	KHISADDAR	SADDAR	SD/77/13/004	F	38	05-04-13	7+	10-05-13	11-05-13	NVI	N	N	Y	Y	174
34	NFEROZ	BHIRIA	SD/45/13/003	F	144	05-02-13	7+	Child Died Before Stool Collection			Y	Y	Y	DIED	233
35	NFEROZ	MORO	SD/45/13/013	F	54	10-05-13	7+	01-06-13	02-06-13	NVI	N	Y	Y	Y	139
36	SANGHAR	KHIPRO	SD/32/13/005	M	144	05-03-13	7+	Late Notified			N	N	Y	Y	205
37	T.ALLAHYAR	TANDO ALLAHYAR	SD/27/13/009	M	4	28-05-13	4	24-06-13	25-06-13	NVI	Y	Y	Y	Y	121
38	T.ALLAHYAR	J.MUREE	SD/27/13/010	M	72	13-06-13	7+	Child Died Before Stool Collection			Y	Y	Y	DIED	105
39	THATTA	THATTA	SD/22/13/032	M	72	06-06-13	7+	15-07-13	16-07-13	NVI	Y	Y	Y	Y	112
40	BANNU	BANNU	KP/61/13/010	M	53	30-04-13	7+	Late Notified			Y	N	N	Y	149
41	BUNIR	DAGGAR	KP/22/13/008	M	35	12-03-13	7+	01-04-13	02-04-13	NVI	Y	Y	Y	Y	198
42	BUNIR	DAGGAR	KP/22/13/007	M	132	28-02-13	7+	30-03-13	31-03-13	NVI	N	N	Y	Y	210

€ Based on recall of parents
* Afp.rec Data as of 26-09-2013

60 days Follow-up not done

FUP = Residual Weakness at 60 days follow up.

Table 7.1: AFP CASES PENDING FOR CLASSIFICATION WITH DATE OF ONSET MORE THAN 90 DAYS* 2013 (2/2)

S. No	DISTRICT	TEHSIL	EPID	SEX	AGE	DONSET	DOSE€	DSTOOL1	DSTOOL2	LAB	FEVER	ASVM	PROG	FUP	PEND (DAYS)
43	BUNIR	DAGGAR	KP/22/13/015	M	72	01-01-13	7+	Late Notified			Y	Y	Y	Y	268
44	BUNIR	DAGGAR	KP/22/13/023	M	64	01-06-13	7+	18-07-13	19-07-13	NVI	Y	N	Y	Y	117
45	DIKHAN	KULACHI	KP/60/13/013	F	18	22-04-13	5	16-06-13	17-06-13	VACC	N	Y	Y	Y	157
46	DIKHAN	DIKHAN	KP/60/13/014	M	54	17-06-13	7+	20-06-13		NVI	Y	Y	Y	DIED	101
47	DIRLOWER	SAMAR BAGH	KP/23/13/015	F	13	30-01-13	7+	Late Notified			Y	Y	Y	Y	239
48	HANGU	HANGU	KP/54/13/005	M	12	21-06-13	7+	08-07-13	09-07-13	EV	Y	Y	Y		97
49	HANGU	HANGU	KP/54/13/004	F	30	05-06-13	7+	05-07-13	06-07-13	EV	Y	N	Y	Y	113
50	HARIPUR	HARIPUR	KP/12/13/005	M	66	18-01-13	7+	19-02-13	20-02-13	EV	N	N	Y	Y	251
51	HARIPUR	HARIPUR	KP/12/13/012	F	20	18-04-13	7+	19-05-13	20-05-13	EV	Y	Y	Y	Y	161
52	KOHAT	LACHI	KP/50/13/012	M	96	28-05-13	7+	26-06-13	27-06-13	NVI	N	N	Y	Y	121
53	KOHAT	LACHI	KP/50/13/015	M	21	15-05-13	7+	Late Notified			Y	Y	Y		134
54	LAKKIMRWT	LAKKIMRWT	KP/62/13/018	M	26	22-05-13	7+	21-06-13	22-06-13		N	Y	Y	Y	127
55	MANSEHRA	MANSEHRA	KP/14/13/005	M	168	17-03-13	7+	Child Died Before Stool Collection			N	N	Y	DIED	193
56	MANSEHRA	MANSEHRA	KP/14/13/010	F	9	01-06-13	6	17-06-13	19-06-13	NVI	Y	N	Y	DIED	117
57	MARDAN	TAKHT BHAI	KP/40/13/034	M	5	10-03-13	6	Late Notified			N	Y	UK	Y	200
58	MARDAN	MARDAN	KP/40/13/046	F	24	15-06-13	7+	05-07-13	06-07-13	EV	Y	Y	Y	Y	103
59	NOWSHERA	NOWSHERA	KP/32/13/012	F	108	15-03-13	7+	Child Died Before Stool Collection			Y	N	Y	DIED	195
60	PESHAWAR	PESHAWAR	KP/30/13/022	F	22	06-02-13	7+	Late Notified			N	N	N	Y	232
61	PESHAWAR	PESHAWAR	KP/30/13/026	M	24	17-04-13	0	17-05-13	19-05-13	EV	Y	Y	Y	Y	162
62	PESHAWAR	PESHAWAR	KP/30/13/039	F	54	03-05-13	7+	14-06-13	15-06-13	EV	Y	Y	Y	Y	146
63	PESHAWAR	PESHAWAR	KP/30/13/047	M	9	23-06-13	7+	08-07-13	09-07-13	NVI	Y	Y	Y		95
64	PESHAWAR	PESHAWAR	KP/30/13/043	F	66	16-06-13	7+	07-07-13	08-07-13	NVI	Y	Y	Y	Y	102
65	SHANGLA	MARTOONG	KP/26/13/001	M	72	08-01-13	7+	Late Notified			Y	Y	Y	LOST	261
66	SHANGLA	CHAKISAR	KP/26/13/008	F	36	01-06-13	7+	27-06-13	03-07-13	NVI	Y	Y	Y	Y	117
67	SWAT	SWAT	KP/24/13/006	F	132	02-04-13	7+	10-04-13		NVI	N	N	Y	DIED	177
68	SWAT	SWAT	KP/24/13/009	M	16	19-04-13	7+	14-05-13	15-05-13	NVI	Y	N	N	Y	160
69	TANK	TANK	KP/63/13/005	M	42	25-02-13	7+	27-04-13	28-04-13	NVI	Y	N	UK	Y	213
70	QUETTA	QUETTA CITY	BN/11/13/006	F	9	12-04-13	7+	27-05-13	28-05-13	NVI	N	Y	Y	Y	167
71	BAJOUR	MAMUND	FT/33/13/007	M	45	02-01-13	7+	Late Notified			N	Y	Y	Y	267
72	KHYBER	LANDI KOTAL	FT/34/13/005	M	132	09-03-13	7+	12-03-13		EV	N	N	Y		201
73	KHYBER	JAMRUD	FT/34/13/002	F	24	18-01-13	7+	21-02-13	23-02-13	NVI	N	Y	Y		251
74	KHYBER	JAMRUD	FT/34/13/017	M	14	08-06-13	0	16-06-13		NVI	Y	Y	Y		110
75	KHYBER	BARA	FT/34/13/016	F	10	06-06-13	0	21-06-13	23-06-13	NVI	Y	Y	Y		112
76	KHYBER	BARA	FT/34/13/018	M	12	11-06-13	0	01-07-13	02-07-13	EV	Y	Y	Y		107
77	MOHMAND	PINDIALI	FT/35/13/006	F	17	05-05-13	7+	17-06-13	18-06-13	NVI	Y	Y	Y		144
78	MOHMAND	UPPER MOHMAND	FT/35/13/003	F	18	18-04-13	7+	07-05-13	08-05-13	NVI	Y	Y	Y		161
79	MOHMAND	PINDIALI	FT/35/13/002	M	24	13-03-13	7+	28-03-13	29-03-13	VACC	UK	Y	Y		197
80	MOHMAND	UPPER MOHMAND	FT/35/13/008	M	26	08-05-13	7+	22-06-13	23-06-13		Y	Y	Y		141
81	WAZIR-N	MIRAN SHAH	FT/64/13/007	M	48	25-04-13	5	10-05-13	12-05-13	NVI	Y	N	Y	Y	154

€ Based on recall of parents

* Afp.rec Data as of 26-09-2013

60 days Follow-up not done

FUP = Residual Weakness at 60 days follow up.