



**World Health
Organization**

Weekly AFP Surveillance Update Pakistan

Week 38 (*Ended on 21st September, 2013*)

AFP Surveillance



National Surveillance Cell Federal EPI

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

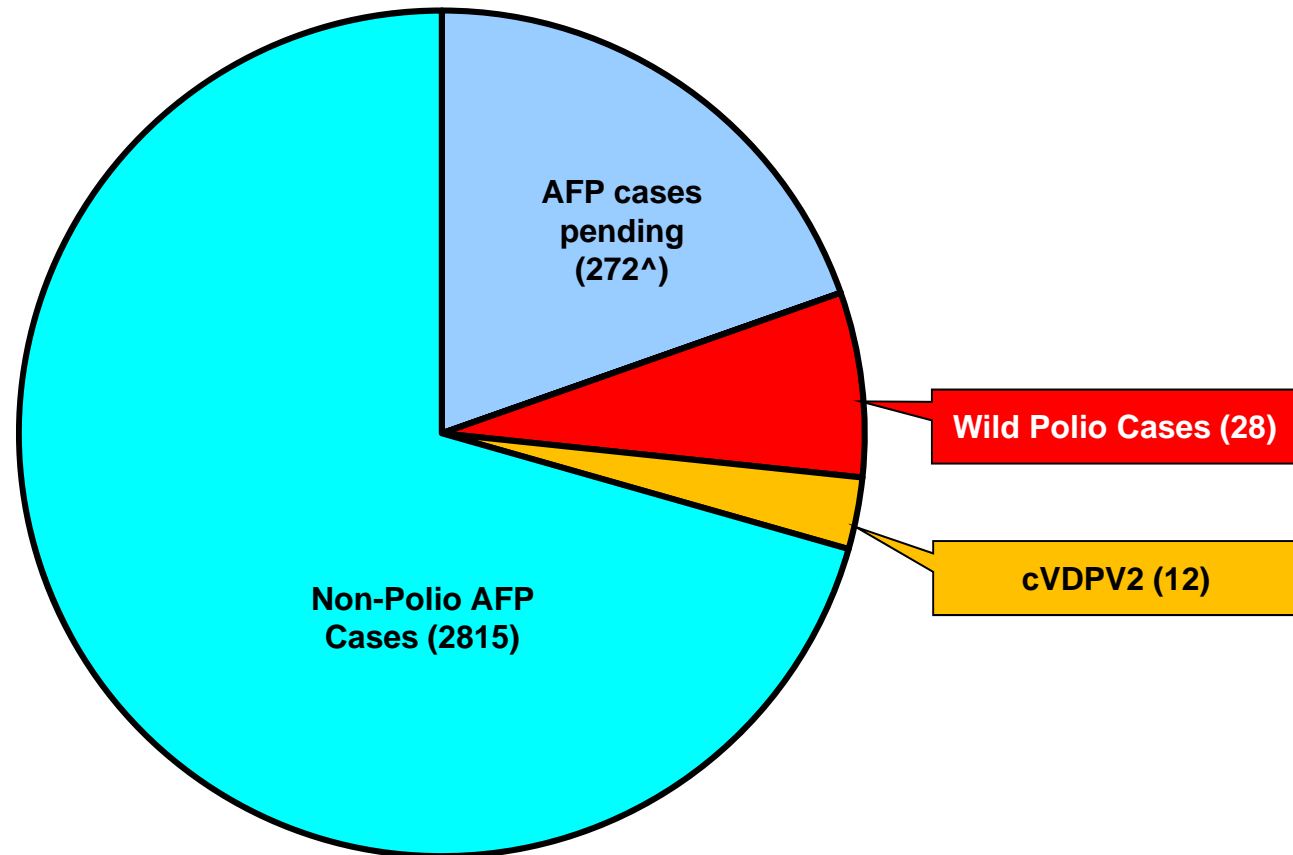
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AFP Case Profile, 2013*



Total AFP Cases Reported = 3127

[^]82 Inadequate cases pending classification by ERC;
[^]71 Inadequate cases not due for FUP
[^]119 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	18	6	12	5	19-Aug-13
FATA / FR Areas	15	17	4	3	11-Aug-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	43	28	24	13	19-Aug-13

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

Total polio cases of 2012 are 58

* Afp.rec Data as of 19-09-2013

§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	R4
2	KP	BANNU	BANNU	NW/61/13/002	M	13	26-Jan-13	0	0	Y	N	Y	Y	NSL1	R4
3	KP	MALAKAND	DARGAI	NW/20/13/006	F	3	08-Feb-13	2	2	Y	N	Y	N	NSL1	R4
4	KP	MARDAN	MARDAN	NW/40/13/009	M	30	12-Feb-13	3	7+	Y	N	Y	N	NSL1	R4
5	PUNJAB	MIWANWALI	ISAKHEL	PB/43/13/005	F	36	07-Feb-13	3	7+	Y	N	Y	N	NSL1	R4
6	SINDH	DADU	MEHAR	SD/24/13/006	F	15	22-Mar-13	0	2	Y	N	Y	N	NSL1	R2
7	KP	MARDAN	MARDAN	NW/40/13/026	M	8	22-Apr-13	0	0	Y	Y	Y	Y	NSL1	R4
8	FATA	KHYBER\$	BARA	FT/34/13/008	M	10	24-Apr-13	2	4	Y	Y	N	N	NSL1	R4
9	FATA	FR BANNU	FR BANNU	FT/69/13/001	M	16	3-May-13	0	3	Y	Y	Y	Y	NSL1	R4
10	FATA	KHYBER\$	BARA	FT/34/13/010	M	8	10-May-13	0	0	Y	Y	Y	N	NSL1	R4
11	FATA	KHYBER\$	BARA	FT/34/13/011	M	23	14-May-13	0	2	Y	Y	Y	N	NSL1	R4
12	FATA	KHYBER\$	BARA	FT/34/13/012	M	4	16-May-13	0	0	Y	N	Y	N	NSL1	R4
13	FATA	KHYBER\$	BARA	FT/34/13/013	M	24	11-May-13	2	3	Y	N	Y	N	NSL1	R4
14	FATA	FR BANNU	FR BANNU	FT/69/13/002	F	22	19-May-13	0	7+	Y	N	Y	N	NSL1	R4
15	FATA	KHYBER\$	BARA	FT/34/13/014	M	30	20-May-13	0	0	Y	N	Y	N	NSL1	R4
16	PUNJAB	MBDIN	MALIKWAL	PB/24/13/013	F	96	26-May-13	3	7+	Y	Y	Y	N	NSL1	R4
17	FATA	KHYBER\$	BARA	FT/34/13/015	M	15	06-June-13	0	0	Y	Y	Y	N	NSL1	R4
18	FATA	WAZIR-N\$	MIR ALI	FT/64/13/010	M	9	24-May-13	0	0	Y	Y	Y	N	NSL1	R4
19	FATA	WAZIR-N\$	MIR ALI	FT/64/13/014	F	11	15-June-13	0	0	Y	Y	Y	N	NSL1	R4
20	FATA	KHYBER\$	BARA	FT/34/13/019	F	12	23-June-13	0	0	Y	N	Y	N	NSL1	R4
21	KP	PESHAWAR	PESHAWAR	KP/30/13/042	M	12	30-June-13	0	0	Y	N	Y	Y	NSL1	R4
22	FATA	KHYBER\$	BARA	FT/34/13/020	F	12	03-July-13	0	0	N	N	Y	N	NSL1	R4

\$ Security compromised area

* Afp.rec Data as of 19-09-2013

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

S.NO.	PROVINCE/ REGION	DISTRICT	TEHSIL	EPID NO.	SEX	AGE (m)	DATE ONSET OF PARALYSIS	NO. OPV DOSES (based on parents recall)		FEVER	Asymmetric Paralysis	Rapid Progression	REFUSAL	WPV TYPE	GENETICS
								Routi ne	SIA's						Cluster
23	SINDH	KHIGADDAP	GADDAP	SD/63/13/015	F	12	09-July-13	3	6	Y	Y	Y	N	NSL1	R4
24	FATA	WAZIR-N\$	MIR AN SHAH	FT/64/13/018	F	18	13-July-13	0	0	Y	Y	Y	N	NSL1	
25	FATA	FR BANNU	FR BANNU	FT/69/13/006	M	18	27-July-13	0	7+	Y	N	Y	N	NSL1	
26	FATA	WAZIR-N\$	MIR ALI	FT/64/13/032	F	21	05-Aug-13	0	0	Y	Y	Y	N	NSL1	
27	FATA	WAZIR-N\$	RAZMAK	FT/64/13/033	M	11	11-Aug-13	0	0	Y	Y	Y	N	NSL1	
28	KP	KOHAT	KOHAT	KP/50/13/017	F	10	19-Aug-13	0	5	Y	Y	Y	N	NSL1	

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	%
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	390	237	0	6	13	3	135	35%	4	389	100%
August	440	262	20	13	19	4	122	28%	3	406	92%
September	148	10	126	7	1	1	4	3%	0	15	10%
Pakistan	3189	2191	146	26	133	4	669	21%	28	3021	95%

* Data as of 23-09-2013

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

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	SIA1	Last 6 SIA1	Last dose	By Field	By NSC		Lab No.	Days Inoc	Culture update	
Isolates pending for ITSD																				
1	FR BANNU	FR BANNU	BAKA KHEL	FT/69/13/008	29-Aug-13	12	M	06-Sep-13	Y	1	1	1	01-May-13	Y	Y	POLIO/INJECTION NEURITIS	3940	7	P2	Discordant U
2	FR DIKHAN	FR DIKHAN	MORGA2	FT/68/13/001		36	M	31-Aug-13	Y	#	#		20-Aug-13	N	N	#	3781		P1	Discordant U
3	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 U
4	KHYBER	TIRAH	ZAKAKHEL	FT/34/13/028	30-Aug-13	18	M	08-Sep-13	Y	0	0	0		Y	Y	POLIO/GBS	3943	7	P1	Discordant U
5	WAZIR-N	MIR ALI	HAIDER KHEL	FT/64/13/020	20-Jul-13	6	M	25-Jul-13	Y	0	0	0		Y	Y	POLIO / INJ NEURITIS	3145	1	P2	Discordant U
6	WAZIR-N	MIR ALI	SAIDGAI	FT/64/13/021	22-Jul-13	12	M	26-Jul-13	Y	3	0	0		N	Y	GBS	3179	7	P2	Discordant U
7	WAZIR-N	RAZMAK	DOSALI	FT/64/13/022	24-Jul-13	24	M	01-Aug-13	Y	0	6	0	23-Apr-12	N	N	GBS	3257	14	P2	Discordant U
8	WAZIR-N	MIR ALI	KHUSHALI	FT/64/13/023	31-Jul-13	12	M	03-Aug-13	Y	0	0	0		Y	Y	POLIO / GBS	3302	7	P2	Discordant U
9	WAZIR-N	MIR ALI	TAPPI	FT/64/13/025	09-Aug-13	10	F	14-Aug-13	Y	0	0	0		Y	Y	GBS	3404	3	P2	Discordant U
10	WAZIR-N	SPINWAM	MOBALI	FT/64/13/029	05-Aug-13	12	M	18-Aug-13	Y	0	0	0		Y	Y	Polio/Injection Neuritis/GBS	3465	2	P2	Discordant U
11	WAZIR-N	MIRAN SHAH	DARPA KHEL	FT/64/13/031	12-Aug-13	11	F	16-Aug-13	Y	0	0	0		Y	Y	SUSPECTED POLIO / GBS	3813	7	P2	Discordant U
12	WAZIR-N	MIRAN SHAH	SPULGA	FT/64/13/036	19-Aug-13	8	F	22-Aug-13	Y	0	0	0		Y	Y	GBS/POLIO	3587	7	P2	Discordant U
13	WAZIR-N	MIR ALI	IDEK	FT/64/13/037	21-Aug-13	8	F	24-Aug-13	Y	0	0	0		Y	Y	GBS/POLIO	3589	2	P2	Discordant U
14	WAZIR-N	MIR ALI	SHERATALLA	FT/64/13/038	19-Aug-13	18	M	19-Aug-13	Y	0	0	0		Y	Y	INJECTION NEURITIS/POLIO	3647	5	P2	Discordant U
15	WAZIR-N	MIR ALI	SHERATALLA	FT/64/13/039	18-Aug-13	12	F	26-Aug-13	Y	0	0	0		Y	Y	POLIO / INJECTION NEURITIS	3682	4	P2	Discordant U
16	WAZIR-N	MIRAN SHAH	SMALL KHEL	FT/64/13/041	26-Aug-13	8	M	27-Aug-13	Y	0	0	0		Y	Y	POLIO	3706	5	P2	Discordant U
17	WAZIR-N	RAZMAK	MUSSAKI	FT/64/13/044	24-Aug-13	8	M	30-Aug-13	Y	0	0	0		Y	Y	POLIO/GBS/HYPOKALEMIA	3795	6	P1	Discordant U
18	WAZIR-N	MIR ALI	KHUSHALI	FT/64/13/048		12	M	07-Sep-13	Y	0	0	0		Y	Y	POLIO/NEURITIS/GBS	3947	7	P2	Discordant U
19	WAZIR-N	MIR ALI	ALI KHEL	FT/64/13/050	01-Sep-13	13	F	07-Sep-13	Y	0	0	0		Y	Y	POLIO	3938	7	SL1	Waiting rRTPCR for VDPV screening
<p>* New #Data not available Y 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 23-09-2013

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 χ		Lab No.	Days Inoc	Culture update	
20	WAZIR-N	MIRAN SHAH	SPULGA	FT/64/13/051	05-Sep-13	9	F	07-Sep-13	Y	0	0	0		Y	Y	POLIO	3936	5	P1	Discordant \emptyset
21	WAZIR-N	RAZMAK	MUSSAKI	FT/64/13/053	06-Sep-13	17	F	10-Sep-13	Y	0	0	0		Y	Y	POLIO/GBS	3975	5	P1	Discordant \emptyset
22	WAZIR-N	MIR ALI	ZERAKI	FT/64/13/055	08-Sep-13	7	F	12-Sep-13	N	1	0	0		Y	Y	SUSPECTED POLIO	4024	4	SL1	Waiting rRTPCR for VDPV screening
23	WAZIR-N	MIRAN SHAH	SPULGA	KP/64/13/052	08-Sep-13	14	M	12-Sep-13	Y	3	3	1	16-Aug-13	Y	Y	POLIO/GBS	4018	3	SL1,2	Waiting rRTPCR for VDPV
24	PESHAWAR	PESHAWAR	SUREZAI PAYAN	KP/30/13/068	31-Aug-13	6	M	09-Sep-13	N	0	0	0		Y	Y	INI NEURITIS / SUSPECTED POLIO	3971	5	P1	Discordant \emptyset
25	MULTAN*	MULTAN CITY	BOSAN	PB/61/13/075	05-Sep-13	3	F	13-Sep-13	Y	1	1	1	20-Aug-13	N	Y	SMA	4052	5	L20B+	
26	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 \emptyset
27	KHIGADAP	GADAP	4	SD/63/13/011	03-Jul-13	24	F	19-Jul-13	N	3	5	3	02-May-13	N	N	GBS	3053	5	P2	Discordant \emptyset
28	KHINNAZIM	N-NAZIMABAD	7	SD/74/13/003	02-Sep-13	9	M	06-Sep-13	Y	3	6	6	20-Aug-13	N		HYPOKALEMIA	3974	7	L20B+	
Reported urgent (by field / NSCχ criteria)																				
29	FR BANNU	FR BANNU	HINDI KHEL	FT/69/13/010	08-Sep-13	9	M	12-Sep-13	Y	0	0	0		Y	Y	POLIOMYELITIS/TODS PARALYSIS	4022	7	UP	
30	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	7	UP	
31	WAZIR-N	RAZMAK	KHUSHALI	FT/64/13/058	11-Sep-13	18	M	17-Sep-13	#	0	2	0		Y	Y	POLIOMYELITIS / GBS	4121	3	UP	
32	WAZIR-N	MIRAN SHAH	HAMZONI -2	FT/64/13/059	12-Sep-13	9	F	14-Sep-13	Y	0	0	0		Y	Y	POLIO	4097	4	UP	
33	WAZIR-N	RAZMAK	PARYAT	FT/64/13/060	08-Sep-13	18	F	14-Sep-13	Y	0	0	0		Y	Y	POLIO	4095	4	UP	
34	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	3	UP	
35	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	4	UP	
36	WAZIR-N	MIRAN SHAH	PARYAT	FT/64/13/063	10-Sep-13	13	M		Y	0	0	0		Y	Y	POLIO/GBS				Specimen collection under process
37	WAZIR-N	MIR ALI	SHAMERI	KP/64/13/056	10-Sep-13	10	M	13-Sep-13	Y	3	0	0		Y	Y	POLIO/GBS	4054	5	UP	
38	WAZIR-N	MIRAN SHAH	TAPPI	KP/64/13/057	07-Sep-13	15	M	13-Sep-13	Y	0	2	0		Y	Y	POLIOMYELITIS/PSEUDOPARALYSIS	4048	5	UP	
39	MARDAN	MARDAN	CHEK MARDAN	KP/40/13/072	04-Sep-13	7	M	11-Sep-13	Y	3	3	3	03-Sep-13	N	Y	HEMIPLEGIA	4001	7	UP	

* New

#Data not available

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

UP = Under process

* Data as of 23-09-2013

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= 38 (15 Sep - 21 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) = 639

Total Samples with results available = 625

Total samples positive for Wild PV (2011-2012-2013) = **258** (136+88+34) (WPV1= 258)

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

Comparison environmental sampling results 2012-13*

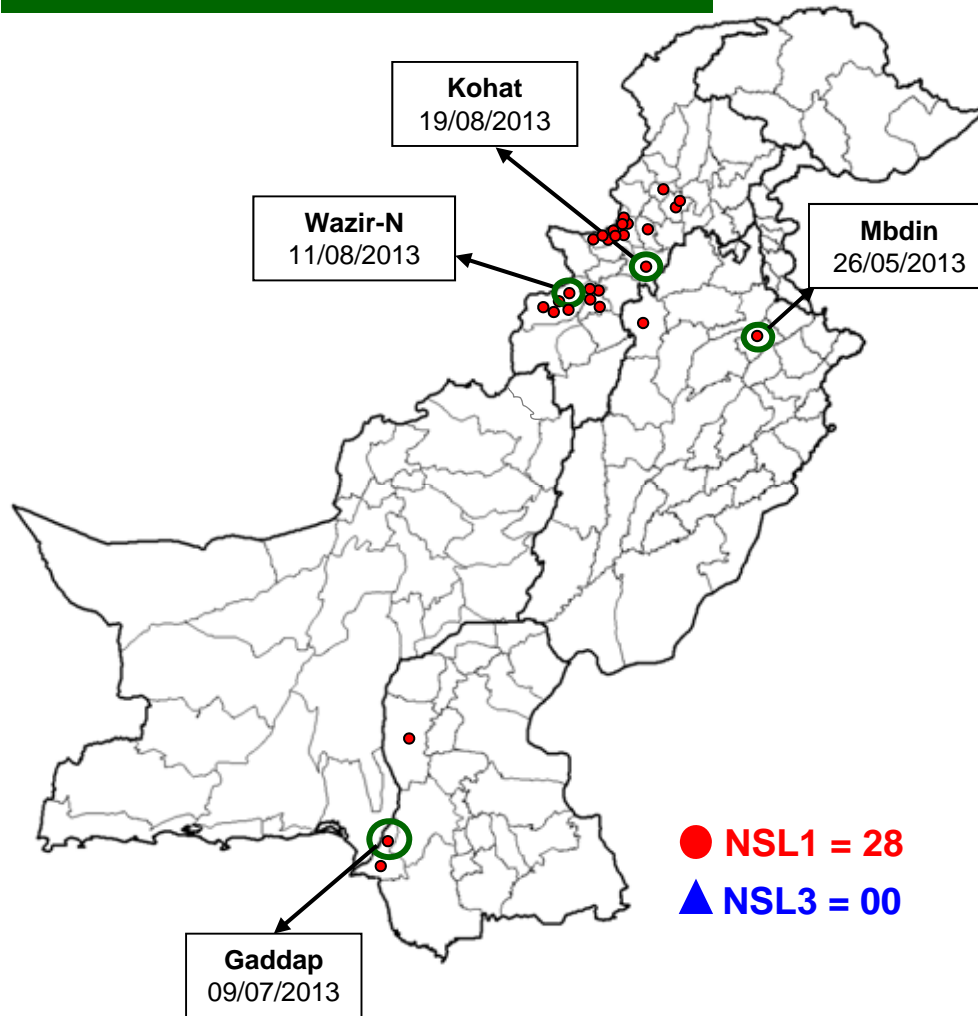
DISTRICT	2012			2013			Last isolate
	TOTAL	WILD		TOTAL	WILD		
	n	n	%	n	n	%	
LAHORE	24	16	67%	40	0	0%	20-Nov-12
MULTAN	24	4	17%	24	1	0%	28-Aug-13
RAWALPINDI	8	5	63%	8	3	25%	24-Aug-13
FAISALABAD	Sampling started from week 36			24	1	4%	03-Jan-13
KHIGIQBAL	16	2	13%	16	1	6%	22-Jul-13
KHIGADAP	24	11	46%	30	7	20%	19-Aug-13
KHIBALDIA	8	0	0%	8	0	0%	10-Jul-12
SUKKUR	9	6	67%	16	0	0%	05-Sep-12
HYDERABAD	2	2	100%	8	7	88%	12-Aug-13
PESHAWAR	16	12	75%	16	13	75%	24-Aug-13
QUETTA	16	2	13%	23	1	4%	20-Feb-13
PAKISTAN	147	60	41%	213	34	14%	28-Aug-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 = 13



● NSL1 = 28

▲ NSL3 = 00

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	6	-
FATA	Aug, 2013	Apr, 2012	17	-
BALUCHISTAN	Oct, 2012	Apr, 2010	-	-
AJK	-	Jun, 2000	-	-
GILGIT-BALTISTAN	Aug, 2012	-	-	-
ISLAMABAD	Sep, 2008	Sep, 2008	-	-
PAKISTAN	Aug, 2013	Apr, 2012	28	-

○ District with last polio case in province

Cases randomly placed
in districts

— Provincial Boundary
— Districts Boundary

* Afp.rec Data as of 19-09-2013

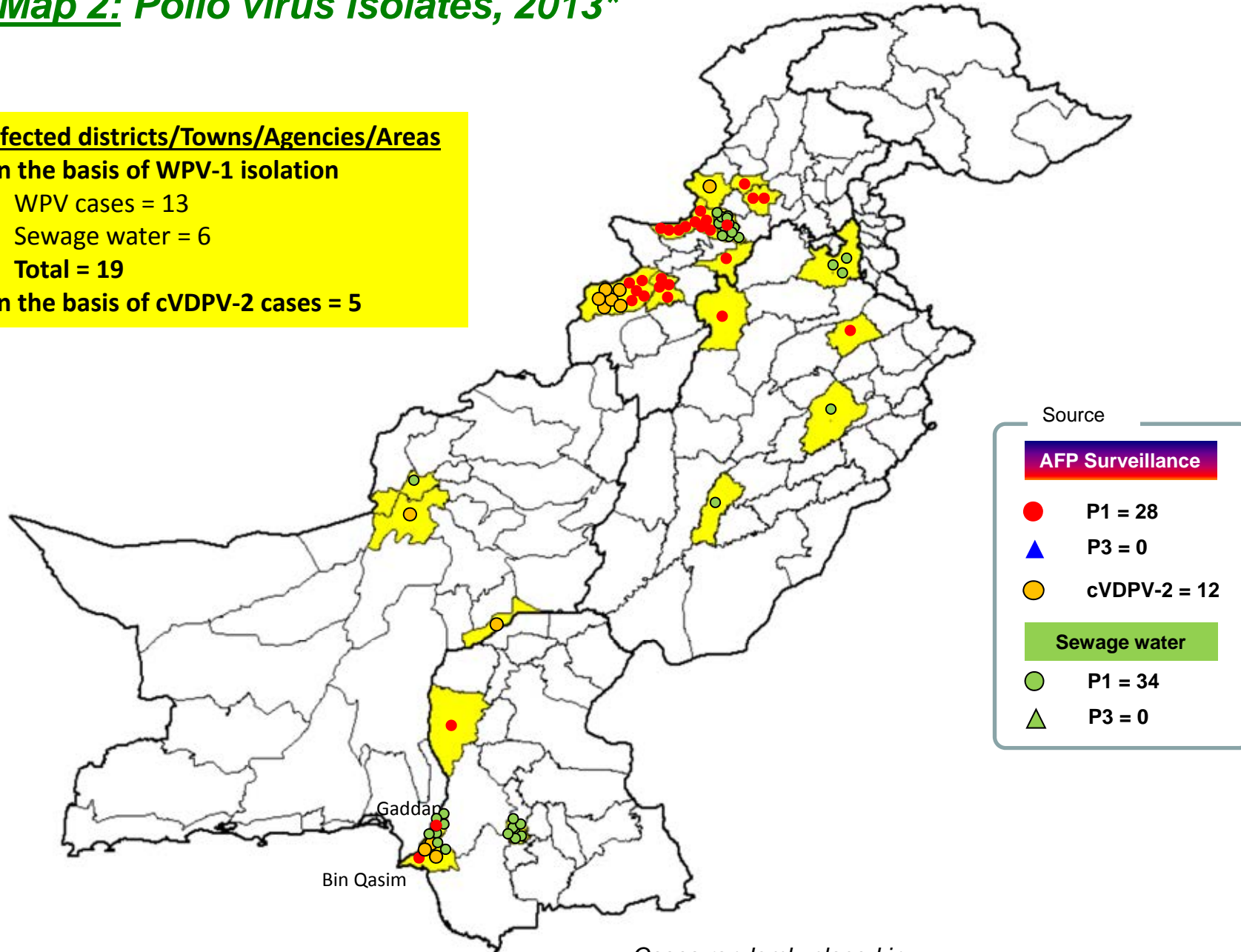
Map 2: Polio virus isolates, 2013*

Infected districts/Towns/Agencies/Areas

On the basis of WPV-1 isolation

- WPV cases = 13
- Sewage water = 6
- Total = 19

On the basis of cVDPV-2 cases = 5



Source

AFP Surveillance

- P1 = 28
- ▲ P3 = 0
- cVDPV-2 = 12

Sewage water

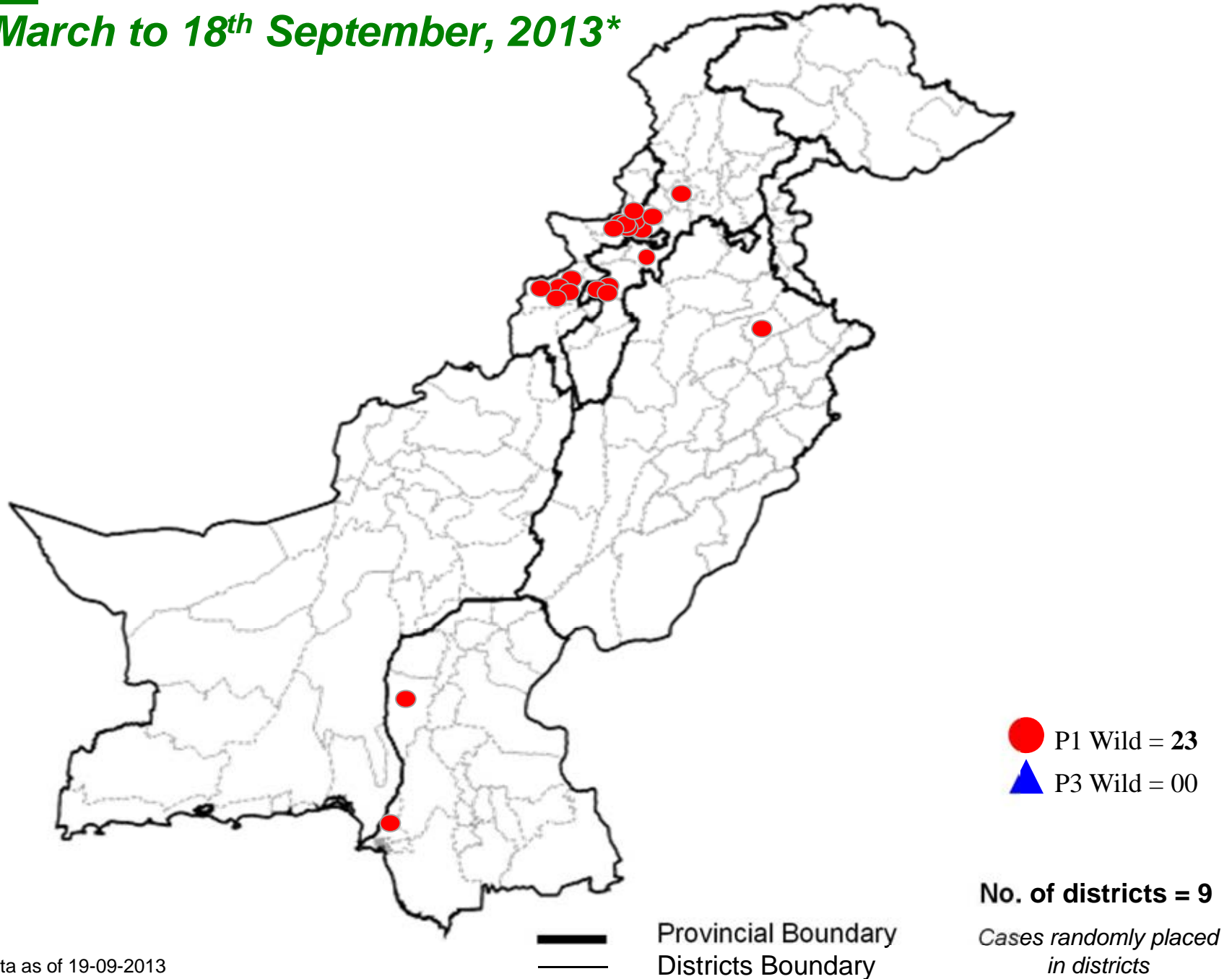
- P1 = 34
- ▲ P3 = 0

— Provincial Boundary
 — Districts Boundary

* Afp.rec Data as of 19-09-2013

Cases randomly placed in districts

Map 3: Wild Polio cases in the last 6 months from 19th March to 18th September, 2013*



* Afp.rec Data as of 19-09-2013

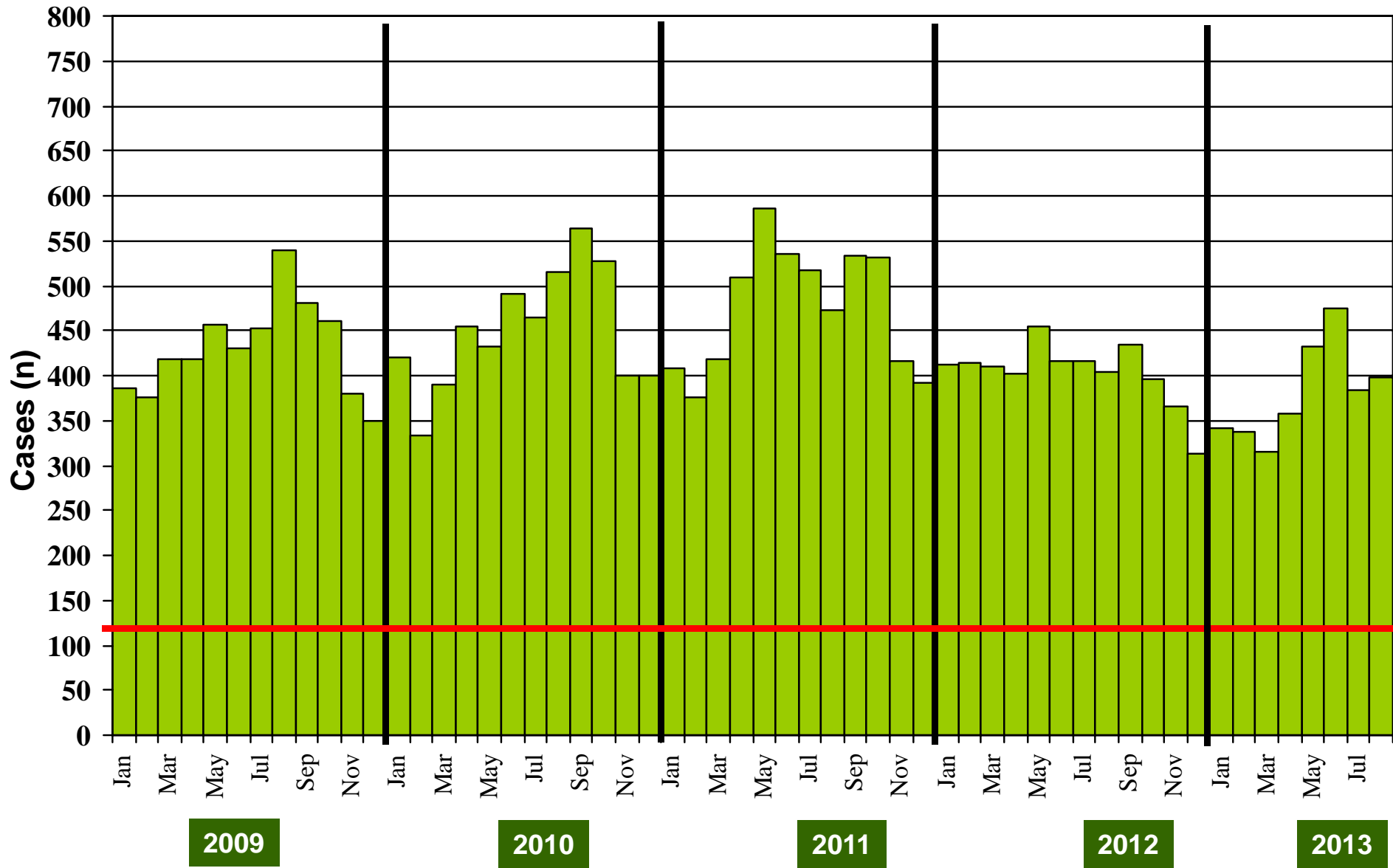
**Table 4: Distribution of AFP Cases By Week of Onset [^]
Pakistan 2013* [Week number/Ending on]**

PROVINCE	W 23 08 June 2013	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
PUNJAB	62	62	47	41	45	47	44	37	54	28	49	50	42	39	17
SINDH	21	13	27	18	20	23	14	19	11	18	27	25	19	18	10
KP	21	21	14	13	18	19	18	21	19	12	25	15	23	19	7
FATA	6	6	1	4	8	8	2	5	4	13	5	11	7	11	7
BALUCHISTAN	7	4	8	5	3	3	6	3	2	3	8	9	2	1	2
AJK	2	1	2	1	2	0	1	2	0	0	2	2	2	0	1
GILGIT BILTISTAN	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
ISLAMABAD	2	0	0	0	1	0	0	1	0	0	1	0	1	0	0
PAKISTAN	121	107	99	82	99	100	85	88	90	74	117	112	96	88	44

* Afp.rec & Afplab.rec: Data as of 19-09-2013

[^] MMWR Epidemiological Weeks

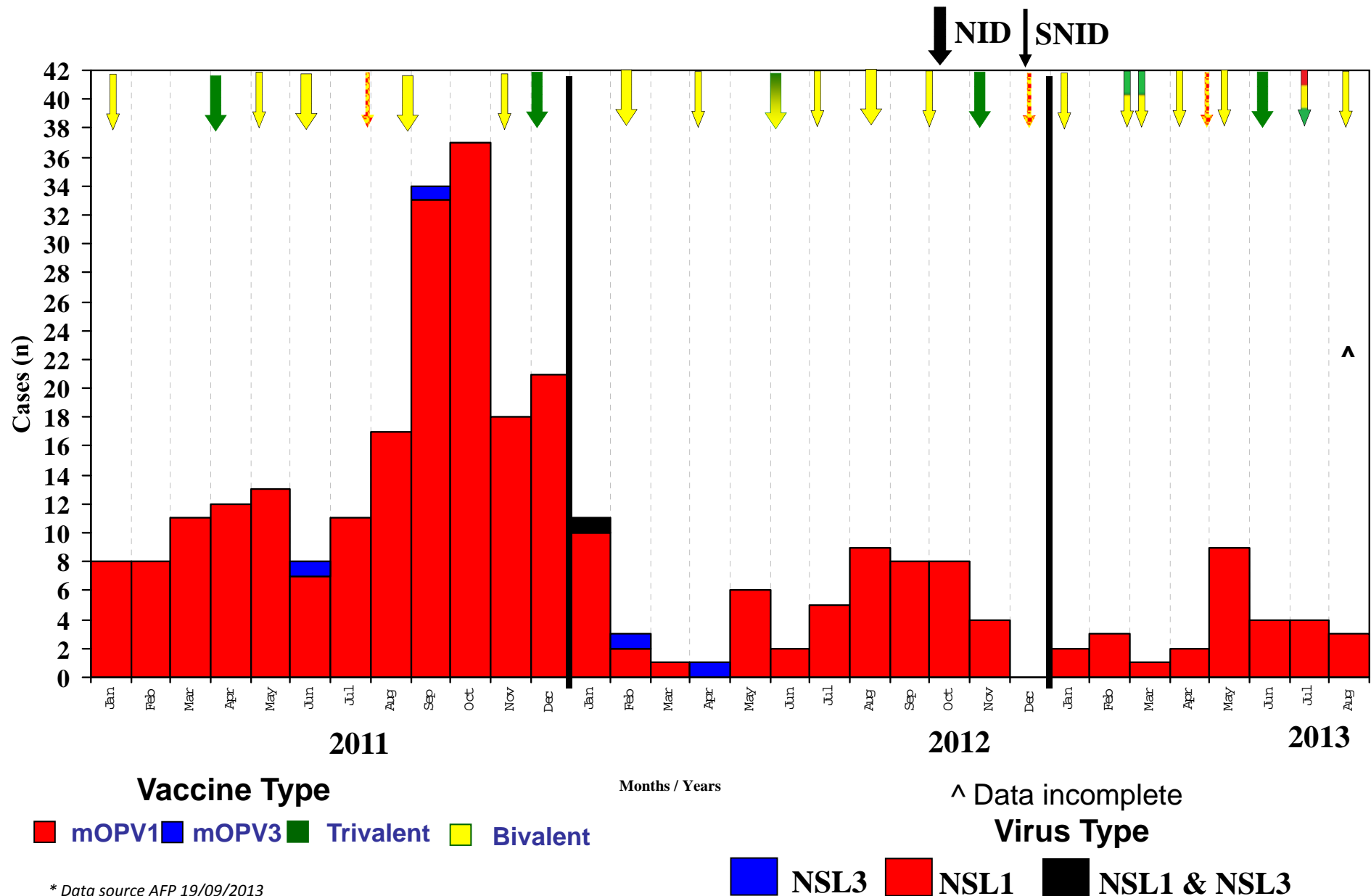
Graph 1: Distribution of AFP Cases by Month, Pakistan 2009-2013*



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

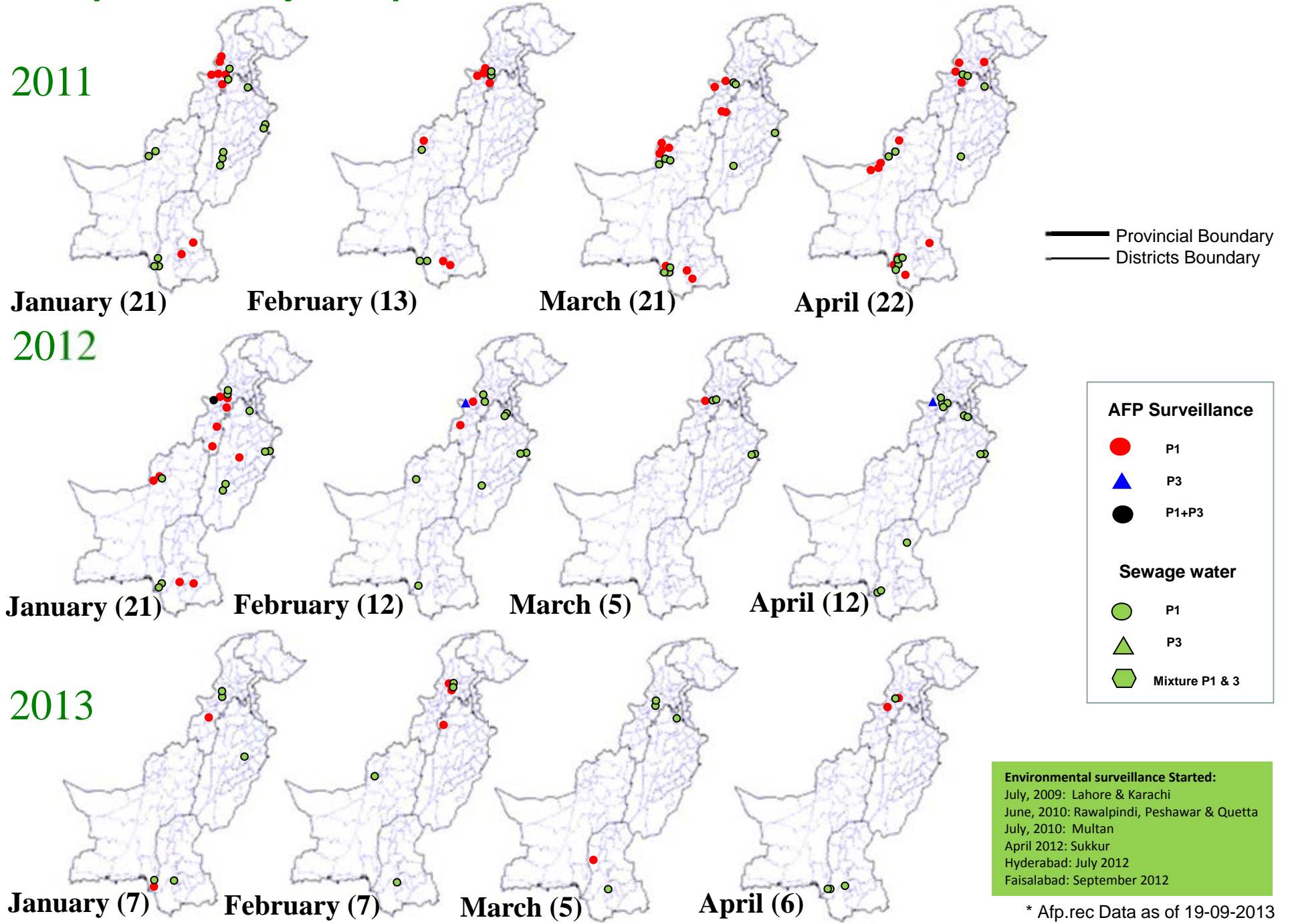
*Afp.rec Data as of 19-09-2013

Confirmed Polio Cases By Poliovirus Type, 2011-2013*



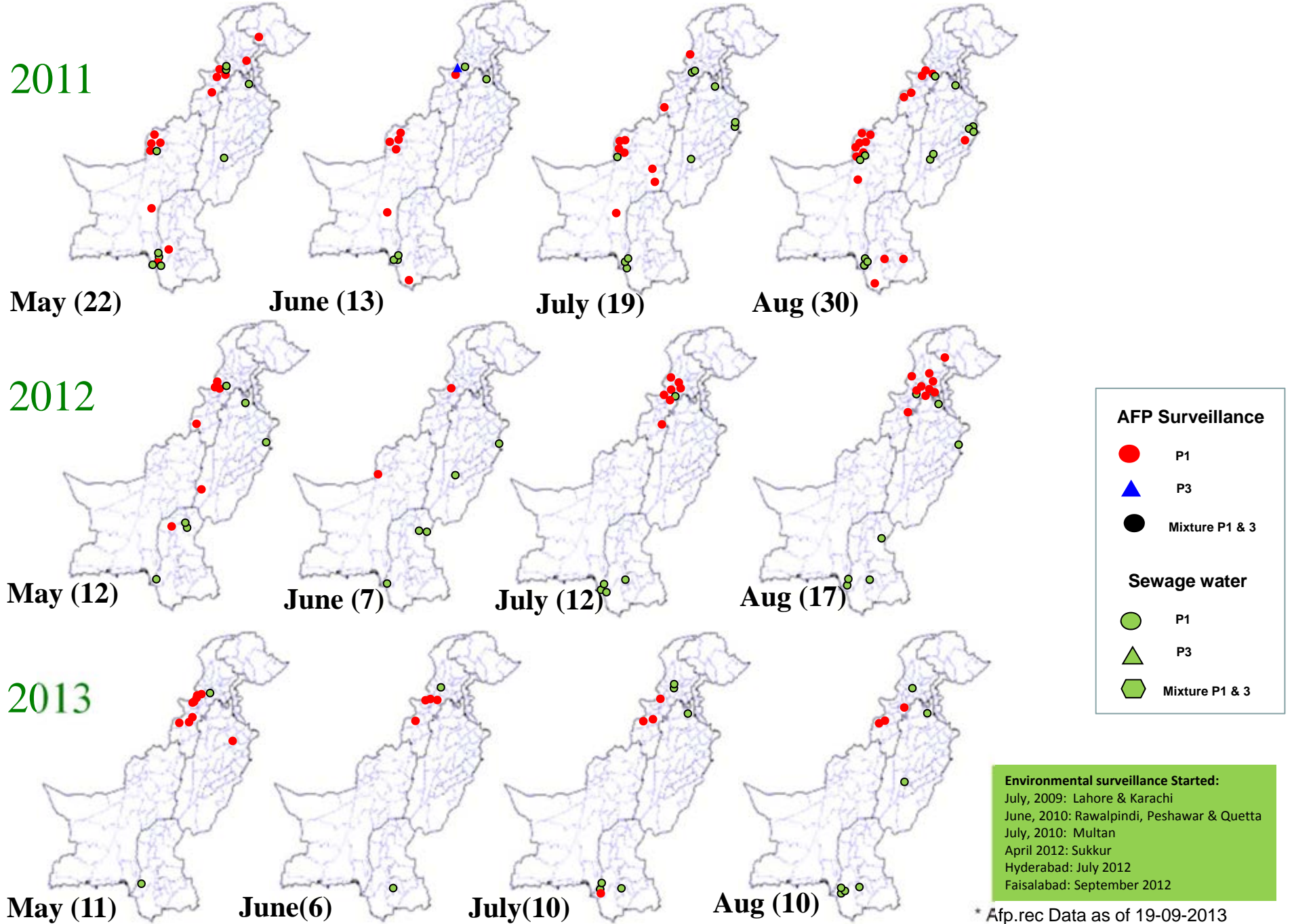
* Data source AFP 19/09/2013

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



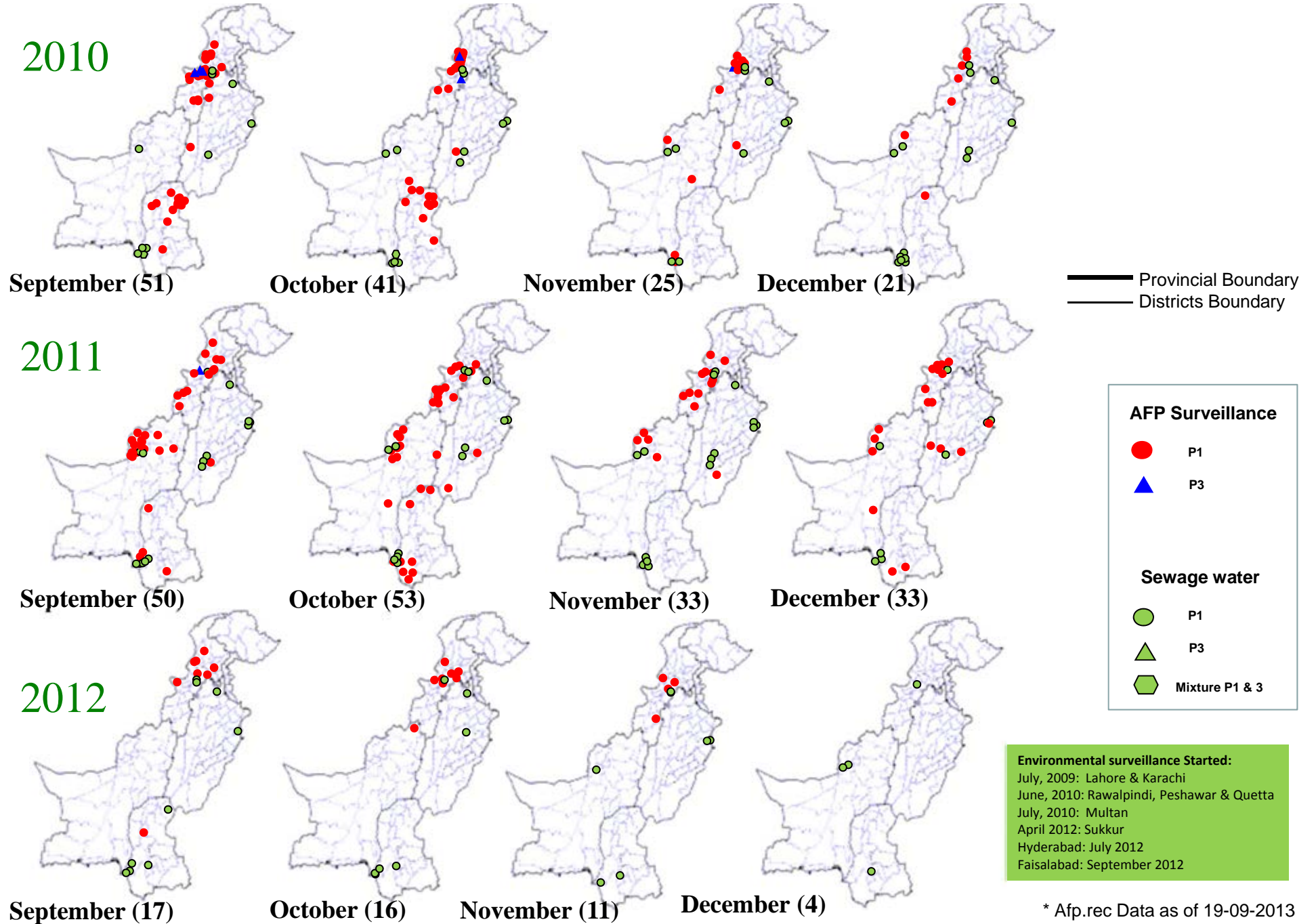
* Afp.rec Data as of 19-09-2013

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



* Afp.rec Data as of 19-09-2013

Map 4.2: Monthly Comparison of P1 & P3 Polio Cases/Isolates 2010-2012*

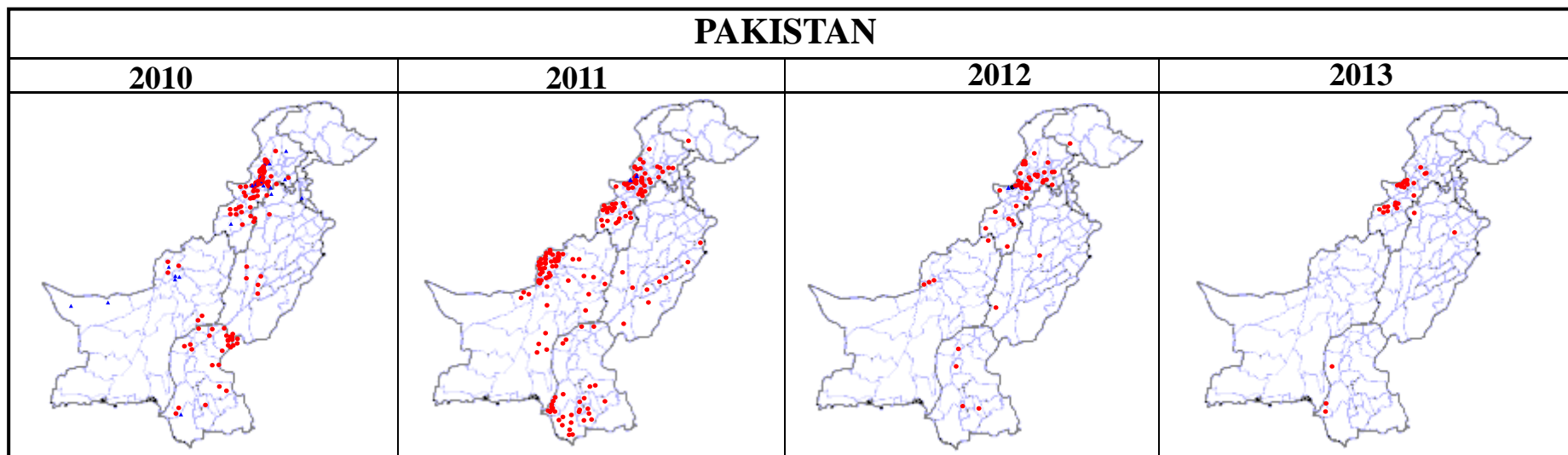


* Afp.rec Data as of 19-09-2013

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	6	5	0	-	-	24	23	27	6
FATA^	63	57	17	17	11	2	2	-	74	59	20^	17
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	28	24	2	2	-	144	198	58	28

^ FATA reported mixture of NSL1 & NSL3



* Afp.rec Data as of 19-09-2013

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

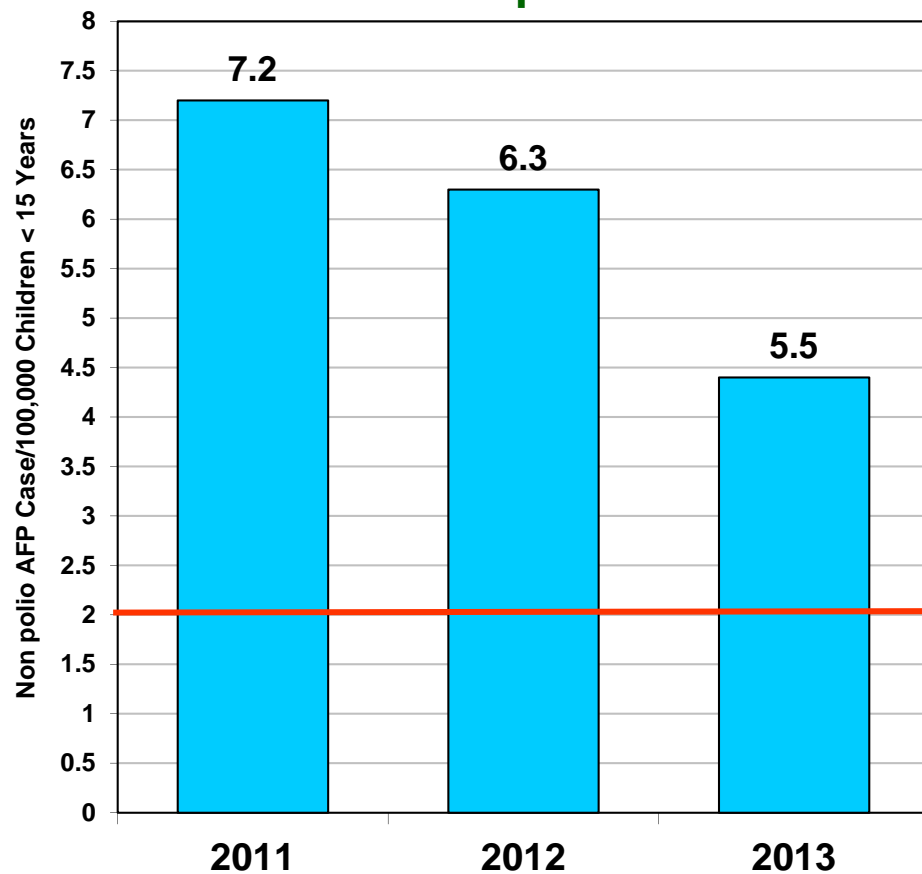
REGION	0 dose				1-2 doses				3 doses				4-6 doses				7+ doses			
	10	11	12	13	10	11	12	13	10	11	12	13	10	11	12	13	10	11	12	13
Central Punjab	0%	0%	0%	0%	1%	1%	0%	0%	1%	2%	0%	1%	7%	6%	4%	9%	91%	92%	95%	89%
North Punjab	0%	0%	0%	0%	0%	1%	0%	0%	2%	1%	0%	0%	6%	5%	4%	4%	91%	93%	96%	96%
South Punjab	0%	0%	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%	42%	11%	10%	6%	7%	6%	5%	3%	8%	18%	11%	12%	6%	51%	61%	62%	37%
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%
BALUCHISTAN	5%	16%	8%	9%	4%	6%	8%	8%	2%	6%	3%	3%	11%	12%	17%	17%	78%	60%	64%	63%
PAKISTAN	1%	2%	1%	2%	1%	1%	1%	1%	1%	1%	1%	1%	7%	6%	5%	6%	89%	89%	92%	89%

* Afp.rec Data as of 19-09-2013

Key Surveillance Indicators; 2011-2013*

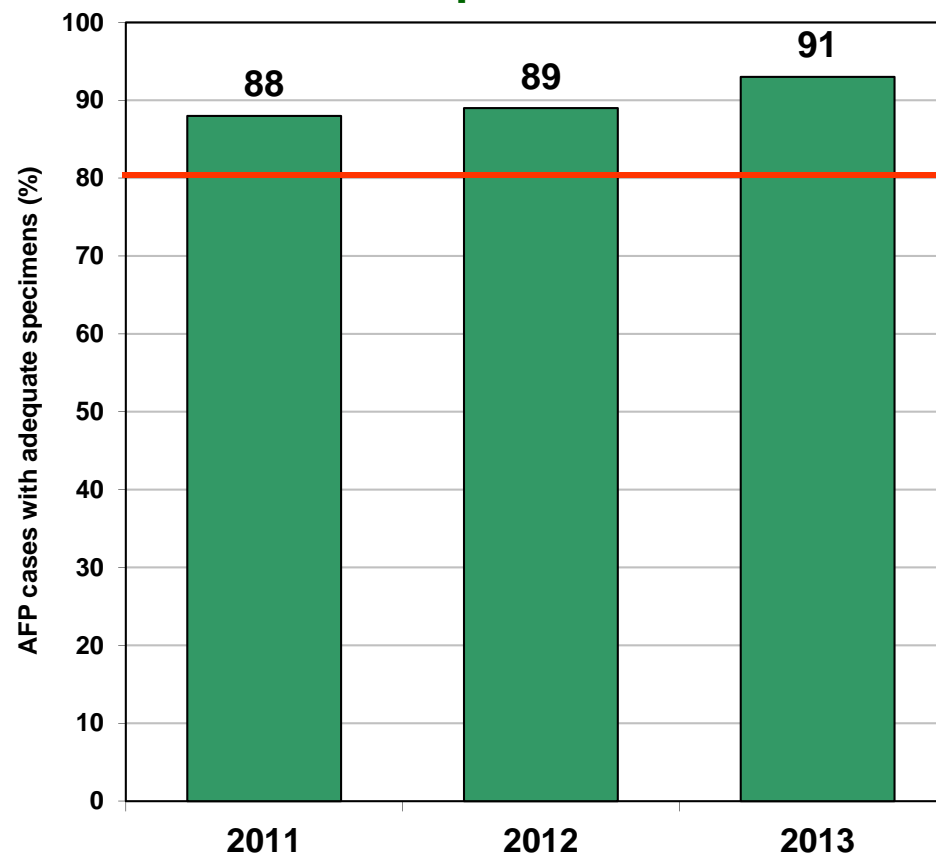
(Non polio AFP rate and % AFP cases with adequate specimens)

Graph 3



■ Non Polio AFP Rate

Graph 4



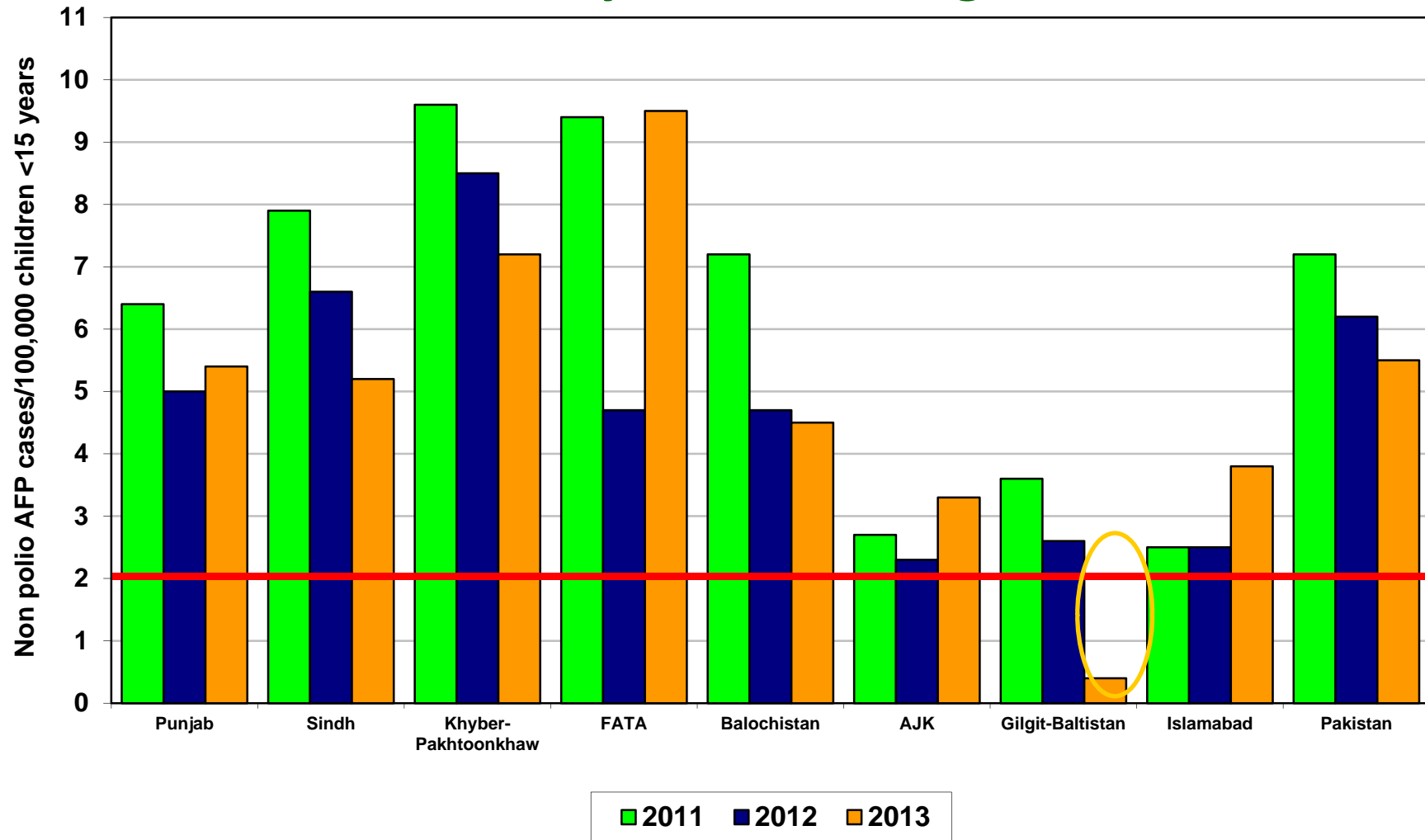
■ % AFP with Adequate Specimens

— Target

Non Polio AFP rate Up to Week No. 37 ended on 14th September, 2013

* Afp.rec Data as of 19-09-2013

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

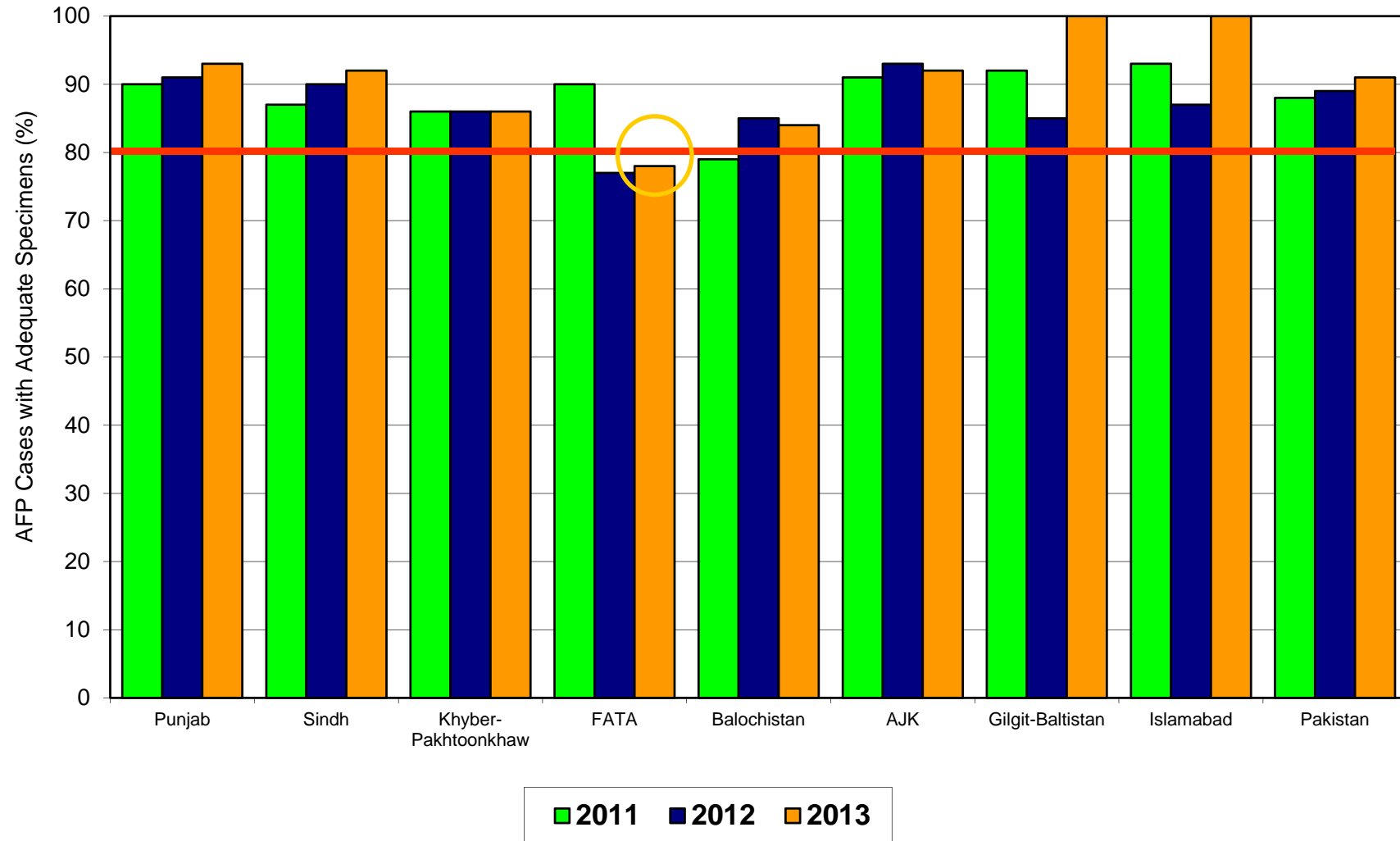


Non Polio AFP rate Up to Week No. 37 ended on 14th September, 2013

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

* Data source AFP 19/09/2013

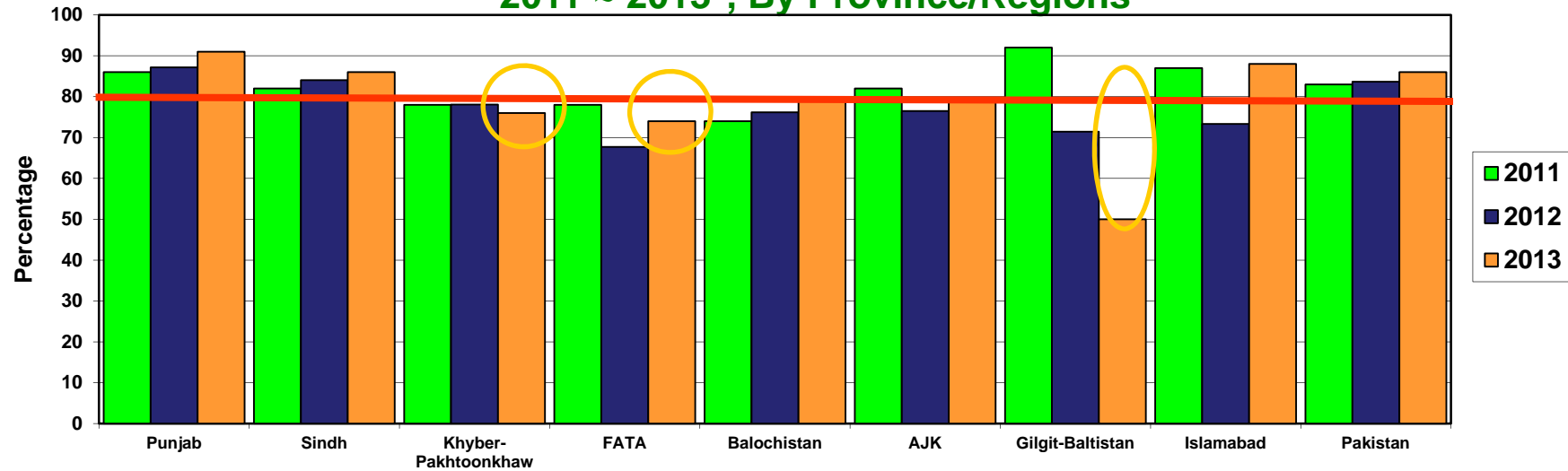
Percent AFP Cases with Adequate Specimens By Province/Regions, 2011-2013*



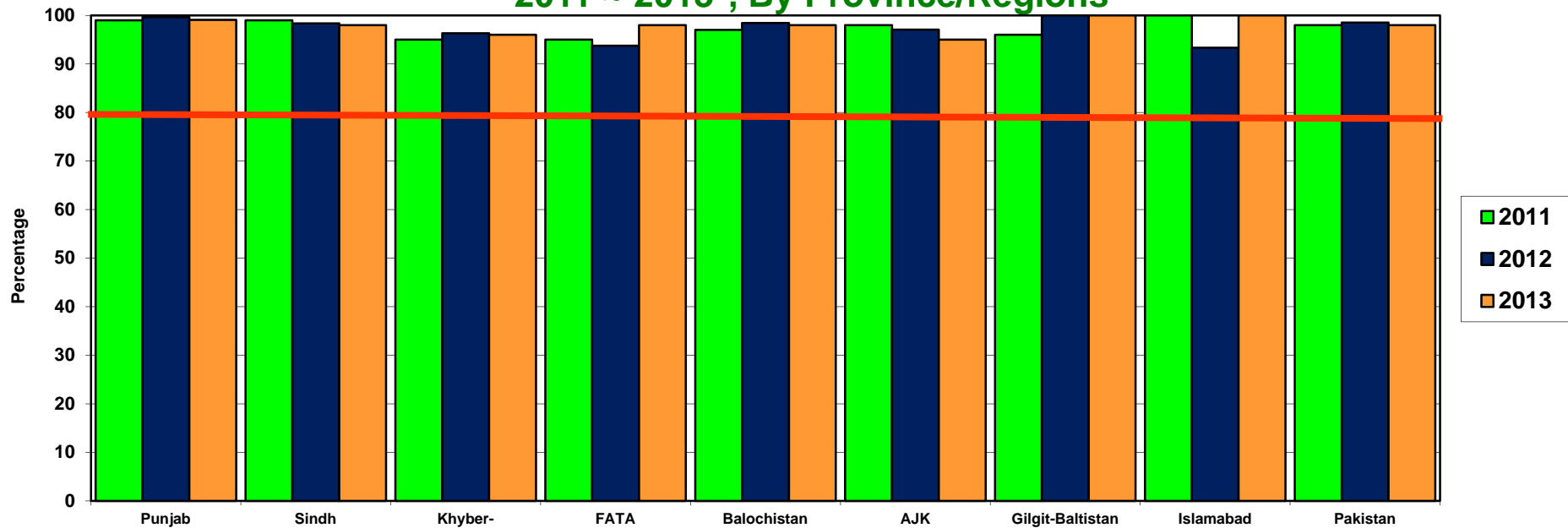
* Data source AFP 19/09/2013

Target Adequate Sample cases = 80%

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



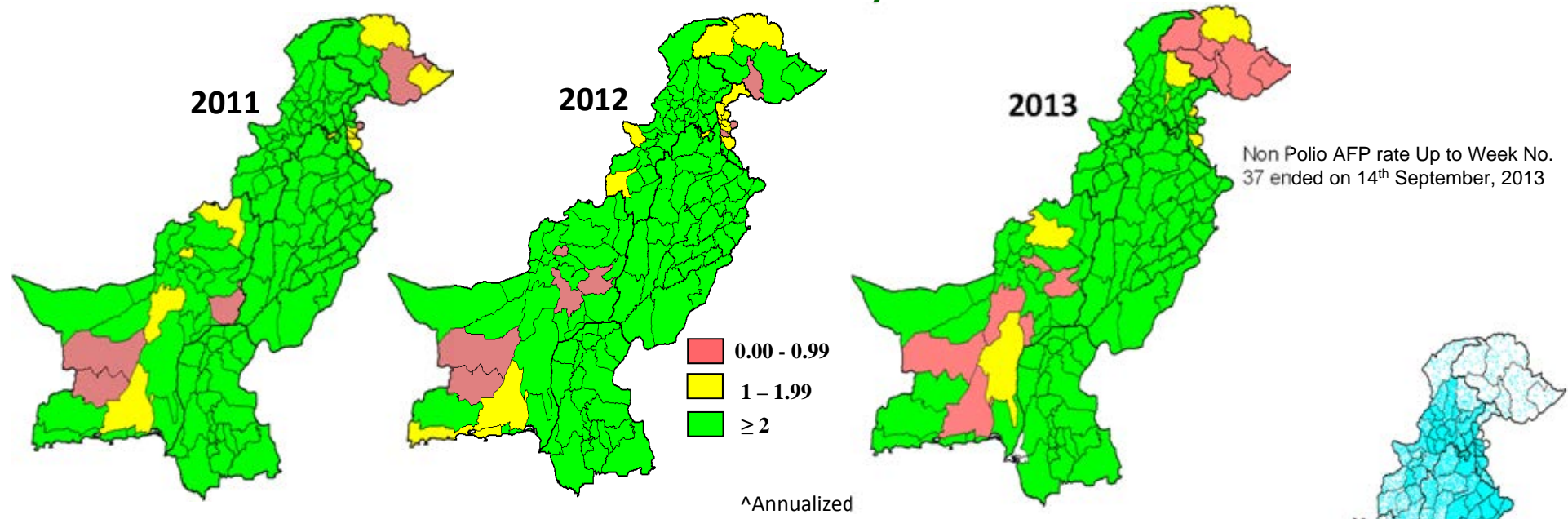
**Graph 6: Percent AFP Cases Investigated within 48 hours of notification
2011 ~ 2013*, By Province/Regions**



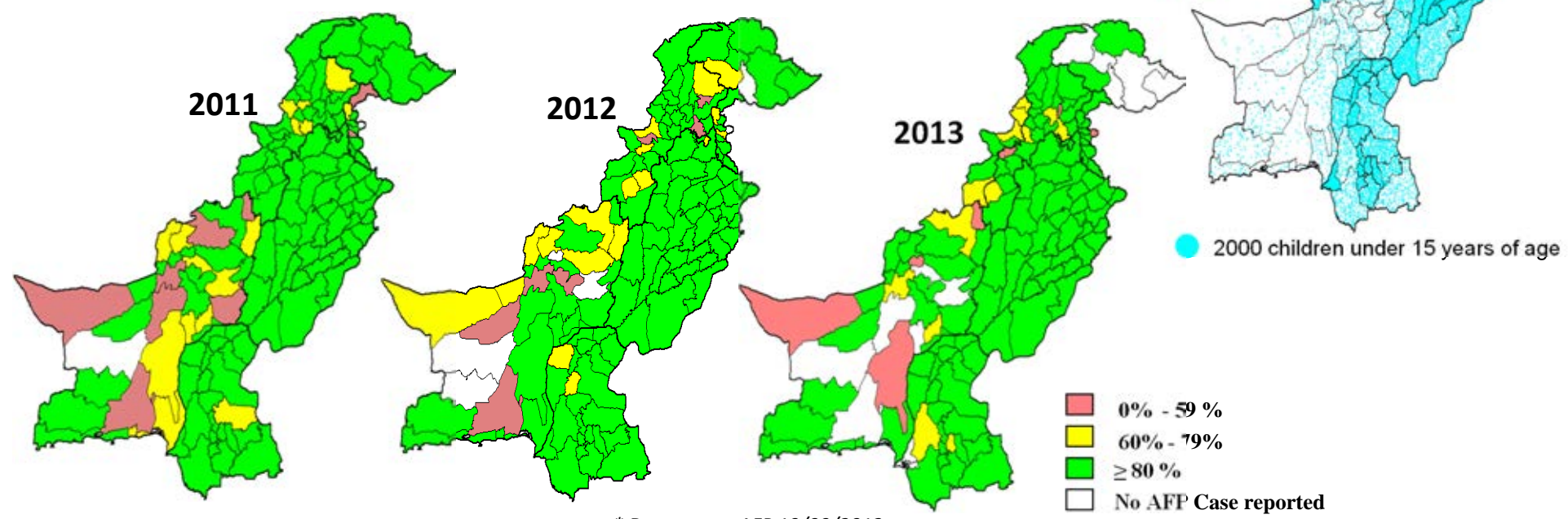
* Afp.rec Data as of 19-09-2013

— Target

Non-Polio^ AFP Rate by District



Percent AFP Cases with Adequate Specimens, by District



* Data source AFP 19/09/2013

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	DOSESE	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	261
2	KHYBER	LANDI KOTAL	FT/34/13/003	M	84	10-02-13	7+	25-02-13	27-02-13	NVI	Y	N	Y		221
3	KHYBER	JAMRUD	FT/34/13/004	F	16	22-01-13	7+	05-03-13	06-03-13	EV	Y	Y	Y		240
4	MARDAN	MARDAN	KP/40/13/007	M	29	17-01-13	7+	06-02-13	07-02-13	EV	Y	Y	Y	Y	245
5	PESHAWAR	PESHAWAR	KP/30/13/008	M	96	15-01-13	7+	26-02-13	27-02-13	NVI	N	N	Y	Y	247
6	SWAT	SWAT	KP/24/13/004	M	120	20-02-13	7+	Child Died Before Stool Collection			Y	N	Y	DIED	211
7	WAZIR-N	MIRAN SHAH	FT/64/13/001	M	96	08-02-13	6	13-02-13		NVI	Y	N	Y	DIED	223
8	BAHWLNAGAR	MINCHINABAD	PB/73/13/038	F	120	08-06-13	7+	29-06-13	01-07-13	EV	N	N	Y	Y	103
9	FAISALABAD	TANDLIAN WALA	PB/51/13/049	F	18	22-05-13	7+	27-06-13	28-06-13	NVI	Y	Y	UK	Y	120
10	GUJRANWALA	KHIALI SHAHPUR	PB/21/13/055	M	96	14-06-13	7+	03-07-13	05-07-13	NVI	Y	Y	Y	Y	97
11	LODHRAN	LODHRAN	PB/64/13/035	M	84	22-05-13	7+	14-07-13	15-07-13	NVI	N	N	Y	Y	120
12	MULTAN	JALALPUR PIRWALA	PB/61/13/046	M	76	18-05-13	7+	17-06-13	19-06-13	NVI	Y	Y	Y	Y	124
13	OKARA	DEPALPUR	PB/34/13/031	M	24	27-05-13	7+	07-07-13	08-07-13	EV	N	Y	Y	Y	115
14	PAKPATTEN	PAKPATTAN	PB/66/13/021	M	60	14-06-13	7+	Late Notified			Y	Y	Y		97
15	RAJANPUR	RAJANPUR	PB/82/13/036	F	6	03-06-13	5	07-07-13	08-07-13	EV	Y	Y	Y	Y	108
16	RAWALPINDI	RAWALPINDI	PB/11/13/028	M	132	13-05-13	7+	03-06-13	05-06-13	NVI	N	N	Y	Y	129
17	SAHIWAL	SAHIWAL	PB/65/13/024	M	120	12-06-13	7+	22-07-13	23-07-13	NVI	Y	Y	Y	Y	99
18	SHEIKUPURA	FEROZEWALA	PB/33/13/030	M	144	22-05-13	7+	14-06-13	15-06-13	NVI	N	Y	Y	Y	120
19	HYDERABAD	HYDERABAD RURAL	SD/21/13/006	M	84	01-04-13	7+	Child Died Before Stool Collection			Y	N	Y	DIED	171
20	JACOBABAD	THUL	SD/53/13/013	M	156	16-05-13	7+	11-06-13	15-06-13	NVI	Y	Y	Y	Y	126
21	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	139
22	KAMBAR	WARAH	SD/55/13/006	M	96	01-01-13	7+	Late Notified			N	Y	Y	Y	261
23	KASHMORE	KANDHKOT	SD/54/13/002	M	54	27-05-13	7+				N	N	Y	LOST	115
24	KHIBALDIA	BALDIA	SD/61/13/005	F	36	18-06-13	4	Child Died Before Stool Collection			N	N	Y	DIED	93
25	KHIGADAP	GADAP	SD/63/13/010	F	42	02-06-13	7+				Y	N	Y	DIED	109
26	KHIJAMSHEED	JAMSHEED	SD/66/13/004	F	60	01-05-13	7+	Y	N	Y	DIED	141			
27	KHISADDAR	SADDAR	SD/77/13/004	F	38	05-04-13	7+	10-05-13	11-05-13	NVI	N	N	Y	Y	167
28	NFEROZ	BHIRIA	SD/45/13/003	F	144	05-02-13	7+	Child Died Before Stool Collection			Y	Y	Y	DIED	226
29	NFEROZ	MORO	SD/45/13/013	F	54	10-05-13	7+	01-06-13	02-06-13	NVI	N	Y	Y	Y	132
30	SANGHAR	KHIPRO	SD/32/13/005	M	144	05-03-13	7+	Late Notified			N	N	Y	Y	198
31	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	114
32	T.ALLAHYAR	J.MUREE	SD/27/13/010	M	72	13-06-13	7+	Child Died Before Stool Collection			Y	Y	Y	DIED	98
33	THATTA	SUJAWAL	SD/22/13/027	M	48	20-05-13	7+	23-06-13	25-06-13	NVI	Y	N	Y		122
34	THATTA	THATTA	SD/22/13/032	M	72	06-06-13	7+	15-07-13	16-07-13	NVI	Y	Y	Y	Y	105
35	BANNU	BANNU	KP/61/13/010	M	53	30-04-13	7+	Late Notified			Y	N	N	Y	142
36	BUNIR	DAGGAR	KP/22/13/008	M	35	12-03-13	7+	01-04-13	02-04-13	NVI	Y	Y	Y	Y	191
37	BUNIR	DAGGAR	KP/22/13/007	M	132	28-02-13	7+	30-03-13	31-03-13	NVI	N	N	Y	Y	203
38	BUNIR	DAGGAR	KP/22/13/015	M	72	01-01-13	7+	Late Notified			Y	Y	Y	Y	261
39	BUNIR	DAGGAR	KP/22/13/023	M	64	01-06-13	7+	18-07-13	19-07-13	NVI	Y	N	Y		110
40	DIKHAN	KULACHI	KP/60/13/013	F	18	22-04-13	5	16-06-13	17-06-13	VACC	N	Y	Y	Y	150
41	DIKHAN	DIKHAN	KP/60/13/014	M	54	17-06-13	7+	20-06-13		NVI	Y	Y	Y	DIED	94
42	DIRLOWER	SAMAR BAGH	KP/23/13/015	F	13	30-01-13	7+	Late Notified			Y	Y	Y	Y	232

€ Based on recall of parents

* Afp.rec Data as of 19-09-2013

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	HANGU	HANGU	KP/54/13/004	F	30	05-06-13	7+	05-07-13	06-07-13	EV	Y	N	Y	Y	106
44	HARIPUR	HARIPUR	KP/12/13/005	M	66	18-01-13	7+	19-02-13	20-02-13	EV	N	N	Y	Y	244
45	HARIPUR	HARIPUR	KP/12/13/012	F	20	18-04-13	7+	19-05-13	20-05-13	EV	Y	Y	Y	Y	154
46	KOHAT	LACHI	KP/50/13/012	M	96	28-05-13	7+	26-06-13	27-06-13	NVI	N	N	Y	Y	114
47	KOHAT	LACHI	KP/50/13/015	M	21	15-05-13	7+	Late Notified			Y	Y	Y		127
48	LAKKIMRWT	LAKKIMRWT	KP/62/13/018	M	26	22-05-13	7+	21-06-13	22-06-13		N	Y	Y	Y	120
49	MANSEHRA	MANSEHRA	KP/14/13/005	M	168	17-03-13	7+	Child Died Before Stool Collection			N	N	Y	DIED	186
50	MANSEHRA	MANSEHRA	KP/14/13/010	F	9	01-06-13	6	17-06-13	19-06-13	NVI	Y	N	Y	DIED	110
51	MARDAN	TAKHT BHAI	KP/40/13/034	M	5	10-03-13	6	Late Notified			N	Y	UK	Y	193
52	MARDAN	MARDAN	KP/40/13/046	F	24	15-06-13	7+	05-07-13	06-07-13	EV	Y	Y	Y	Y	96
53	NOWSHERA	NOWSHERA	KP/32/13/012	F	108	15-03-13	7+	Child Died Before Stool Collection			Y	N	Y	DIED	188
54	PESHAWAR	PESHAWAR	KP/30/13/022	F	22	06-02-13	7+	Late Notified			N	N	N	Y	225
55	PESHAWAR	PESHAWAR	KP/30/13/026	M	24	17-04-13	0	17-05-13	19-05-13	EV	Y	Y	Y	Y	155
56	PESHAWAR	PESHAWAR	KP/30/13/039	F	54	03-05-13	7+	14-06-13	15-06-13	EV	Y	Y	Y	Y	139
57	PESHAWAR	PESHAWAR	KP/30/13/043	F	66	16-06-13	7+	07-07-13	08-07-13	NVI	Y	Y	Y		95
58	SHANGLA	MARTOONG	KP/26/13/001	M	72	08-01-13	7+	Late Notified			Y	Y	Y	LOST	254
59	SHANGLA	CHAKISAR	KP/26/13/008	F	36	01-06-13	7+	27-06-13	03-07-13	NVI	Y	Y	Y	Y	110
60	SWAT	SWAT	KP/24/13/006	F	132	02-04-13	7+	10-04-13		NVI	N	N	Y	DIED	170
61	SWAT	SWAT	KP/24/13/009	M	16	19-04-13	7+	14-05-13	15-05-13	NVI	Y	N	N	Y	153
62	TANK	TANK	KP/63/13/005	M	42	25-02-13	7+	27-04-13	28-04-13	NVI	Y	N	UK	Y	206
63	KABDULAH	CHAMAN	BN/14/13/005	F	25	30-05-13	7+	14-06-13	15-06-13	NVI	Y	N	Y	Y	112
64	MASTUNG	MASTUNG	BN/51/13/001	M	9	25-05-13	0	12-06-13	14-06-13	EV	Y	Y	Y		117
65	QUETTA	QUETTA CITY	BN/11/13/006	F	9	12-04-13	7+	27-05-13	28-05-13	NVI	N	Y	Y	Y	160
66	QUETTA	QUETTA CITY	BN/11/13/008	F	156	27-05-13	7+	Late Notified			N	N	Y	Y	115
67	ZHOB	ZHOB	BN/21/13/002	F	84	05-05-13	7+	30-05-13	31-05-13	NVI	Y	Y	Y	Y	137
68	BAJOUR	MAMUND	FT/33/13/007	M	45	02-01-13	7+	Late Notified			N	Y	Y	Y	260
69	KHYBER	LANDI KOTAL	FT/34/13/005	M	132	09-03-13	7+	12-03-13		EV	N	N	Y		194
70	KHYBER	JAMRUD	FT/34/13/002	F	24	18-01-13	7+	21-02-13	23-02-13	NVI	N	Y	Y		244
71	KHYBER	JAMRUD	FT/34/13/017	M	14	08-06-13	0	16-06-13		NVI	Y	Y	Y		103
72	KHYBER	BARA	FT/34/13/016	F	10	06-06-13	0	21-06-13	23-06-13	NVI	Y	Y	Y		105
73	KHYBER	BARA	FT/34/13/018	M	12	11-06-13	0	01-07-13	02-07-13	EV	Y	Y	Y		100
74	MOHMAND	PINDIALI	FT/35/13/006	F	17	05-05-13	7+	17-06-13	18-06-13	NVI	Y	Y	Y		137
75	MOHMAND	UPPER MOHMAND	FT/35/13/003	F	18	18-04-13	7+	07-05-13	08-05-13	NVI	Y	Y	Y		154
76	MOHMAND	PINDIALI	FT/35/13/002	M	24	13-03-13	7+	28-03-13	29-03-13	VACC	UK	Y	Y		190
77	MOHMAND	UPPER MOHMAND	FT/35/13/008	M	26	08-05-13	7+	22-06-13	23-06-13		Y	Y	Y		134
78	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	147

€ Based on recall of parents

* Afp.rec Data as of 19-09-2013

60 days Follow-up not done

FUP = Residual Weakness at 60 days follow up.