



**World Health
Organization**

Weekly AFP Surveillance Update Pakistan

Week 44 (*Ended on 2nd November, 2013*)

AFP Surveillance



National Surveillance Cell Federal EPI

World Health Organization Country Office,
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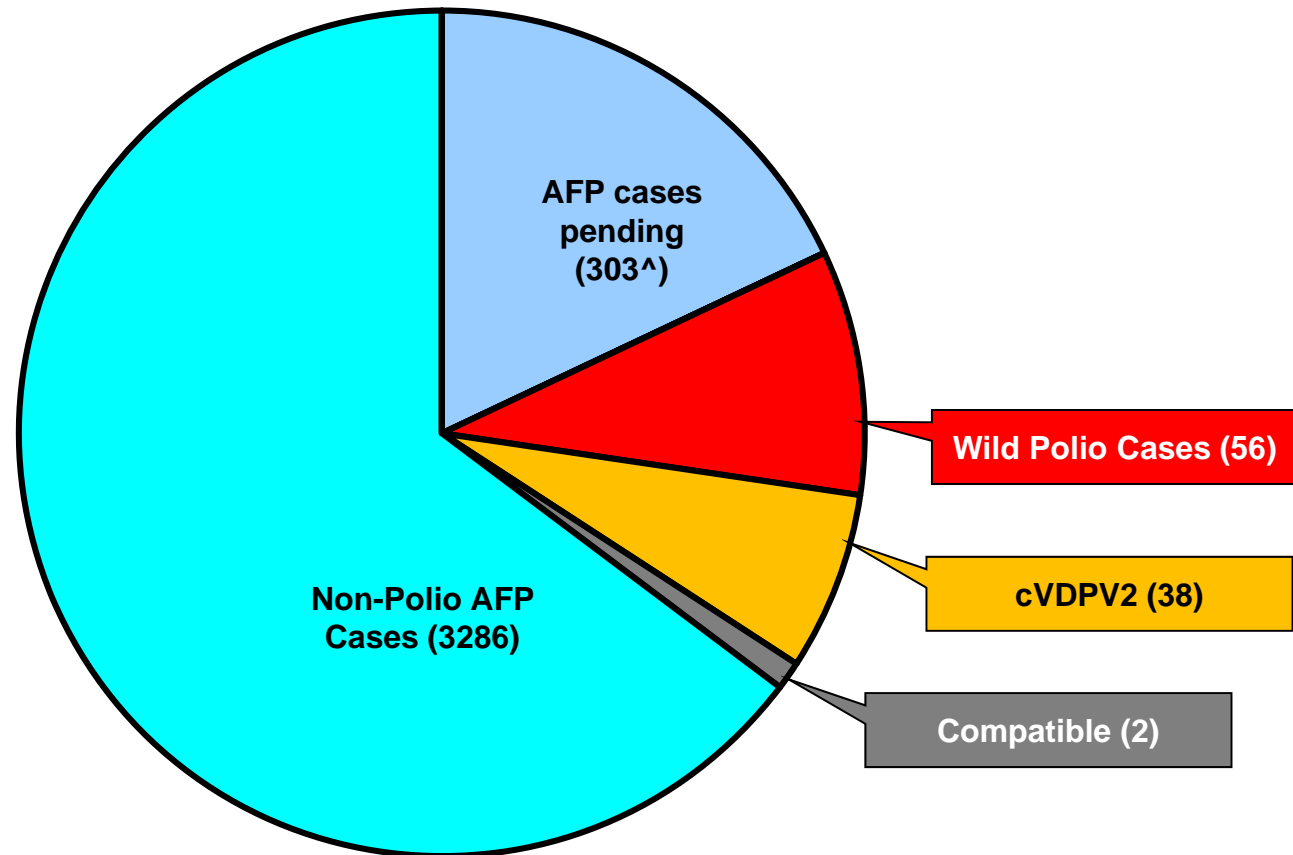
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AFP Case Profile, 2013*



Total AFP Cases Reported = 3685

[^]109 Inadequate cases pending classification by ERC;
[^]91 Inadequate cases not due for FUP
[^]103 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	25	9	13	6	24-Sep-13
FATA / FR Areas	19	40	5	4	14-Oct-13
Sindh	4	4	4	3	19-Sep-13
Balochistan	4	-	2	-	02-Oct-12
Punjab	2	3	2	3	26-Sep-13
Gilgit-Baltistan	1	-	1	-	06-Aug-12
Pakistan	55	56	27	16	14-Oct-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 04-11-2013

§Based on date of onset

Table 1: List of Confirmed Polio Cases, Pakistan 2013* (1/3)

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 04-11-2013

Table 1.1: List of Confirmed Polio Cases, Pakistan 2013* (2/3)

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	SIAs						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\$	BARA	FT/34/13/027	F	13	30-Aug-13	0	2	Y	Y	Y	N	NSL1	R4A
32	FATA	KHYBER\$	LANDI KOTAL	FT/34/13/028	M	18	30-Aug-13	0	0	Y	Y	Y	N	NSL1	R4A
33	KP	PESHAWAR	PESHAWAR	KP/30/13/068	M	6	31-Aug-13	0	0	Y	Y	Y	N	NSL1	R4B
34	FATA	WAZIR-N\$	MIR ALI	FT/64/13/050	F	13	01-Sep-13	0	0	Y	Y	Y	N	NSL1	R4B
35	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/13/051	F	11	05-Sep-13	0	0	Y	Y	Y	N	NSL1	R4B
36	FATA	KHYBER\$	LANDI KOTAL	FT/34/13/032	F	8	05-Sep-13	0	4	Y	Y	Y	N	NSL1	R4A
37	FATA	WAZIR-N\$	RAZMAK	FT/64/13/053	F	17	06-Sep-13	0	0	Y	Y	Y	N	NSL1	R4B
38	FATA	WAZIR-N\$	MIR ALI	FT/64/13/055	F	7	08-Sep-13	1	0	Y	Y	Y	N	NSL1	R4B
39	FATA	KHYBER\$	BARA	FT/34/13/029	M	11	10-Sep-13	3	7+	Y	Y	Y	N	NSL1	R4B
40	FATA	WAZIR-N\$	MIR ALI	FT/64/13/056	M	10	10-Sep-13	3	0	Y	Y	Y	N	NSL1	R4B
41	FATA	WAZIR-N\$	MIR ALI	FT/64/13/068	F	16	20-Sep-13	0	0	Y	Y	Y	N	NSL1	R4B
42	FATA	WAZIR-N\$	MIR ALI	FT/64/13/069	F	12	20-Sep-13	0	0	Y	Y	Y	N	NSL1	R4B
43	FATA	KHYBER\$	BARA	FT/34/13/033	M	30	26-Sep-13	3	3	Y	Y	Y	N	NSL1	R4A
44	FATA	WAZIR-N\$	MIR ALI	FT/64/13/071	M	8	26-Sep-13	0	0	Y	Y	Y	N	NSL1	R4B

\$ Security compromised area

* Afp.rec Data as of 04-11-2013

Table 1.2: List of Confirmed Polio Cases, Pakistan 2013* (3/3)

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
								Routine	SIAs						Cluster
45	FATA	FR BANNU	FR BANNU	FT/69/13/016	F	24	28-Sep-13	0	0	Y	Y	Y	N	NSL1	
46	FATA	FR BANNU	FR BANNU	FT/69/13/017	M	11	01-Oct-13	0	0	Y	Y	Y	N	NSL1	R4B
47	FATA	WAZIR-N\$	MIR ALI	FT/64/13/074	F	37	28-Sep-13	0	0	Y	Y	Y	N	NSL1	
48	FATA	KHYBER\$	BARA	FT/34/13/030	M	15	24-Sep-13	3	0	Y	Y	Y	N	NSL1	R4B
49	PUNJAB	SHEIKUPURA	MURIDKE	PB/33/13/057	M	12	26-Sep-13	0	2	Y	N	Y	N	NSL1	R4B
50	FATA	FR BANNU	FR BANNU	FT/69/13/013	F	12	22-Sep-13	0	0	Y	Y	Y	N	NSL1	
51	SINDH	KHIGADAP	GADAP	SD/63/13/022	M	12	19-Sep-13	0	6^	Y	Y	Y	N	NSL1	
52	FATA	KHYBER\$	LANDI KOTAL	FT/34/13/036	M	12	05-Oct-13	0	7^	Y	Y	Y	N	NSL1	
53	KP	SWABI	SWABI	KP/41/13/037	F	2	10-Sep-13	0	0	Y	Y	Y	N	NSL1	
54	FATA	WAZIR-N\$	RAZMAK	FT/64/13/083	M	15	11-Oct-13	0	0	Y	Y	Y	N	NSL1	
55	KP	PESHAWAR	PESHAWAR	KP/30/13/079	M	8	24-Sep-13	3	7^	Y	N	Y	N	NSL1	
56	FATA	WAZIR-N\$	MIR ALI	FT/64/13/087	F	13	14-Oct-13	0	0	Y	Y	Y	N	NSL1	

\$ Security compromised area

New Case

^Under investigation

* Afp.rec Data as of 04-11-2013

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	239	0	0	13	3	135	35%	4	391	100%
August	459	292	0	0	24	5	135	29%	8	459	100%
September	460	291	0	0	29	6	118	26%	19	457	99%
October	261	128	1	0	16	6	29	11%	4	177	68%
Pakistan	3782	2632	1	0	182	5	825	22%	56	3695	98%

* Data as of 04-11-2013

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

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 \checkmark		Lab No.	Days Inoc	Culture update	
Isolates pending for ITSD																				
1	KHYBER §	BARA	JHANSI	FT/34/13/040	15-Oct-13	9	M	22-Oct-13	Y	0	0	0		Y	Y	INI NEURITIS/SUSPECTED	4802	8	SL1	Waiting rRTPCR for VDPV screening
2	WAZIR-N	MIRAN SHAH	SPULGA	FT/64/13/076	05-Oct-13	15	F	07-Oct-13	Y	2	0	0		Y	Y	POLO	4585	12	P2	Discordant U
3	WAZIR-N	MIRAN SHAH	MAMI ROGHA	FT/64/13/079	30-Sep-13	14	M	07-Oct-13	Y	0	0	0		Y	Y	POLO / INJECTION TRAUMA	4654	10	P2	Discordant U
4	WAZIR-N §	MIR ALI	SHERATALLA	FT/64/13/084	09-Oct-13	18	F	17-Oct-13	Y	0	0	0		Y	Y	POLO	4755	7	P1	Discordant U
5	WAZIR-N	MIR ALI	ALI KHEL	FT/64/13/086	06-Oct-13	15	M	19-Oct-13	Y	0	0	0		Y	Y	POLOMYELITIS/INJECTION TRAUMA	4756	5	P1	Discordant U
6	WAZIR-N	MIR ALI	SHERATALLA	FT/64/13/089	15-Oct-13	11	F	23-Oct-13	Y	0	0	0		Y	Y	POLO	4835	4	P2	Discordant U
7	WAZIR-N §	MIR ALI	ALI KHEL	FT/64/13/090	20-Sep-13	12	M	24-Oct-13	N	0	0	0	21-Oct-13	Y	Y	POLO	4873	4	SL1,3	Waiting rRTPCR for VDPV
8	MARDAN *	MARDAN	BAJLI GHAR	KP/40/13/086	20-Oct-13	39	M	24-Oct-13	Y	0	7+	5	29-Aug-13	N	N	GBS	4859	7	L20B+	
9	SAHIWAL §	CHICHAWATNI	60	PB/65/13/044	22-Sep-13	4	M	23-Oct-13	N	1	2	2	16-Jul-13	N	Y	TRAUMATIC NEURITIS	4821	7	SL2	Waiting rRTPCR for VDPV screening
10	SAHIWAL	SAHIWAL	41	PB/65/13/047	21-Oct-13	15	M	24-Oct-13	Y	3	6	6	01-Oct-13	N	Y	GBS	4866	3	L20B+	
11	TTSINGH	KAMALIA	68	PB/52/13/045	09-Oct-13	9	F	21-Oct-13	Y	1	5	2	02-Oct-13	Y	N	POLO	4790	4	P1	Discordant U
Reported urgent (by field / NSC\checkmark criteria)																				
12	KHYBER *	#	#	FT/34/13/042	21-Oct-13	30	M	26-Oct-13	#	#	#	#		Y	#		4928	5	UP	
13	WAZIR-N	MIR ALI	KHADI	FT/64/13/091	20-Oct-13	4	M	24-Oct-13	Y	0	0	0		Y	Y	POLO	4872	8	UP	
14	WAZIR-N	MIRAN SHAH	ANGHAR KALLA	FT/64/13/092	25-Oct-13	9	M	29-Oct-13	#	0	0	0		Y	Y	POLO	4956	4	UP	
15	ATTOCK *	FATEH JANG	AJWALA	PB/12/13/030	16-Oct-13	24	F	26-Oct-13	Y	2	7+	6	30-Sep-13	Y	Y	POLO	4950	4	UP	
16	DGKHAN	DGKHAN	GHOUS ABAD	PB/81/13/099	22-Oct-13	56	M	27-Oct-13	Y	0	7+	6	01-Oct-13	Y	N	TRAUMATIC NEURITIS	4905	6	UP	
17	KHIGADAP *	GADAP	4	SD/63/13/026	23-Oct-13	18	M	25-Oct-13	Y	0	2	1	15-Aug-13	Y	Y	TRAUMATIC NEURITIS	4942	4	UP	

* New addition

§ New results

#Data not available

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

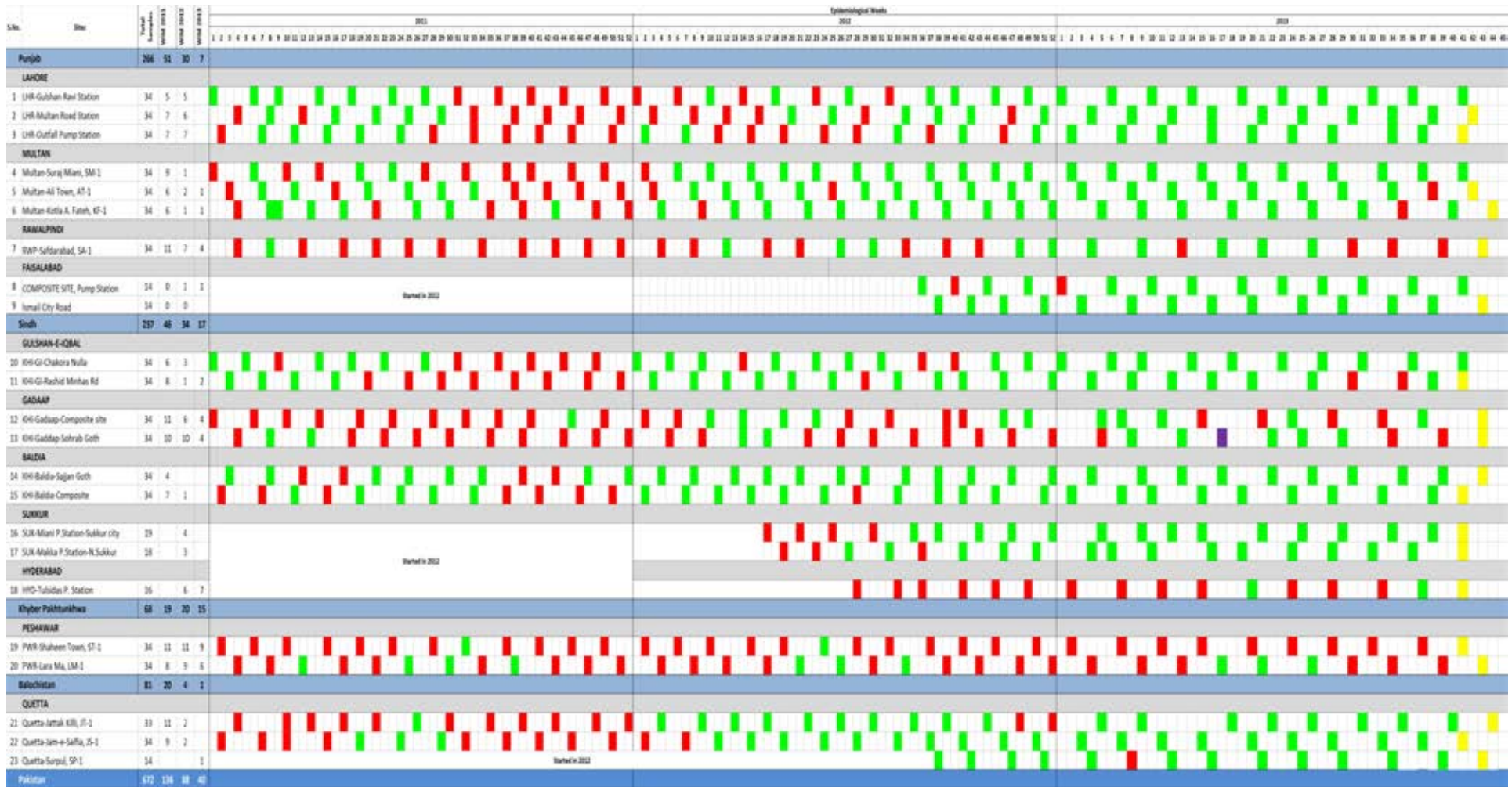
UP = Under process

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

UPending for genomic sequencing

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

Report for Epidemiological week= 44 (27 Oct – 02 Nov, 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) = 672

Total Samples with results available = 653

Total samples positive for Wild PV (2011-2012-2013) = **264** (136+88+40) (WPV1= 264)

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

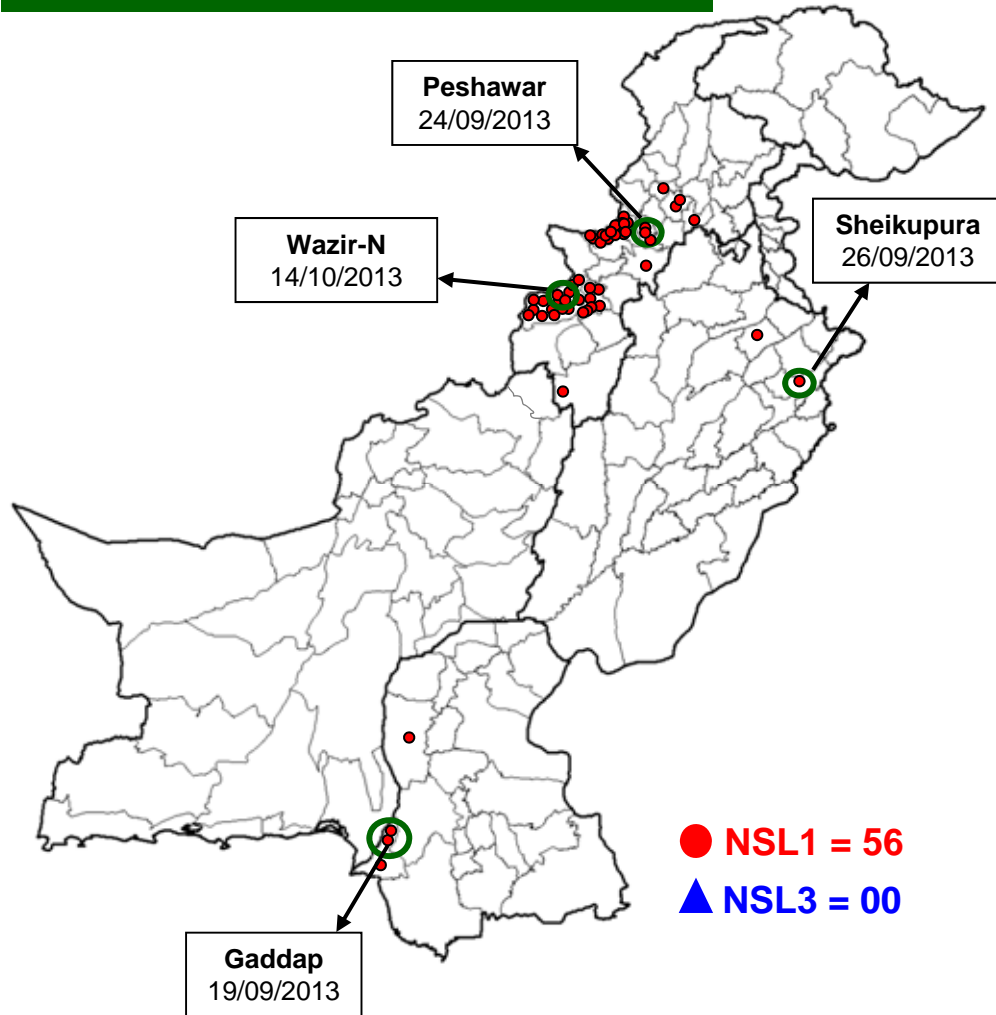
Comparison environmental sampling results 2012-13*

DISTRICT	2012			2013			Last isolate
	TOTAL	WILD		TOTAL	WILD		
	n	n	%	n	n	%	
LAHORE	30	17	57%	46		0%	20-Nov-12
MULTAN	29	4	14%	28	2	7%	18-Sep-13
RAWALPINDI	9	6	67%	9	4	44%	24-Sep-13
FAISALABAD	4	1	25%	29	1	3%	03-Jan-13
KHIGIQBAL	20	4	20%	19	2	11%	26-Aug-13
KHIGADAP	19	13	68%	25	8	32%	23-Sep-13
KHIBALDIA	20	1	5%	19		0%	10-Jul-12
SUKKUR	12	7	58%	19		0%	05-Sep-12
HYDERABAD	4	4	100%	9	7	78%	12-Aug-13
PESHAWAR	19	15	79%	18	15	83%	24-Sep-13
QUETTA	21	2	10%	26	1	4%	20-Feb-13
PAKISTAN	187	74	40%	247	40	16%	24-Sep-13

Data source Polio RRL

Map1: Distribution of Wild Polio cases Pakistan 2013*

Districts/ Towns with Wild Polio cases = 16



Province/ Country	Date of Last Case		Number of cases 2013	
	P1	P3	P1	P3
PUNJAB	Sep, 2013	Jun, 2010	3	-
SINDH	Sep, 2013	Jan, 2010	4	-
KHYBER- PAKHTUNKHWA	Sep, 2013	Oct, 2010	9	-
FATA	Oct, 2013	Apr, 2012	40	-
BALUCHISTAN	Oct, 2012	Apr, 2010	-	-
AJK	-	Jun, 2000	-	-
GILGIT-BALTISTAN	Aug, 2012	-	-	-
ISLAMABAD	Sep, 2008	Sep, 2008	-	-
PAKISTAN	Oct, 2013	Apr, 2012	56	-

○ District with last polio case in province

Cases randomly placed
in districts

Provincial Boundary
 Districts Boundary

* Afp.rec Data as of 04-11-2013

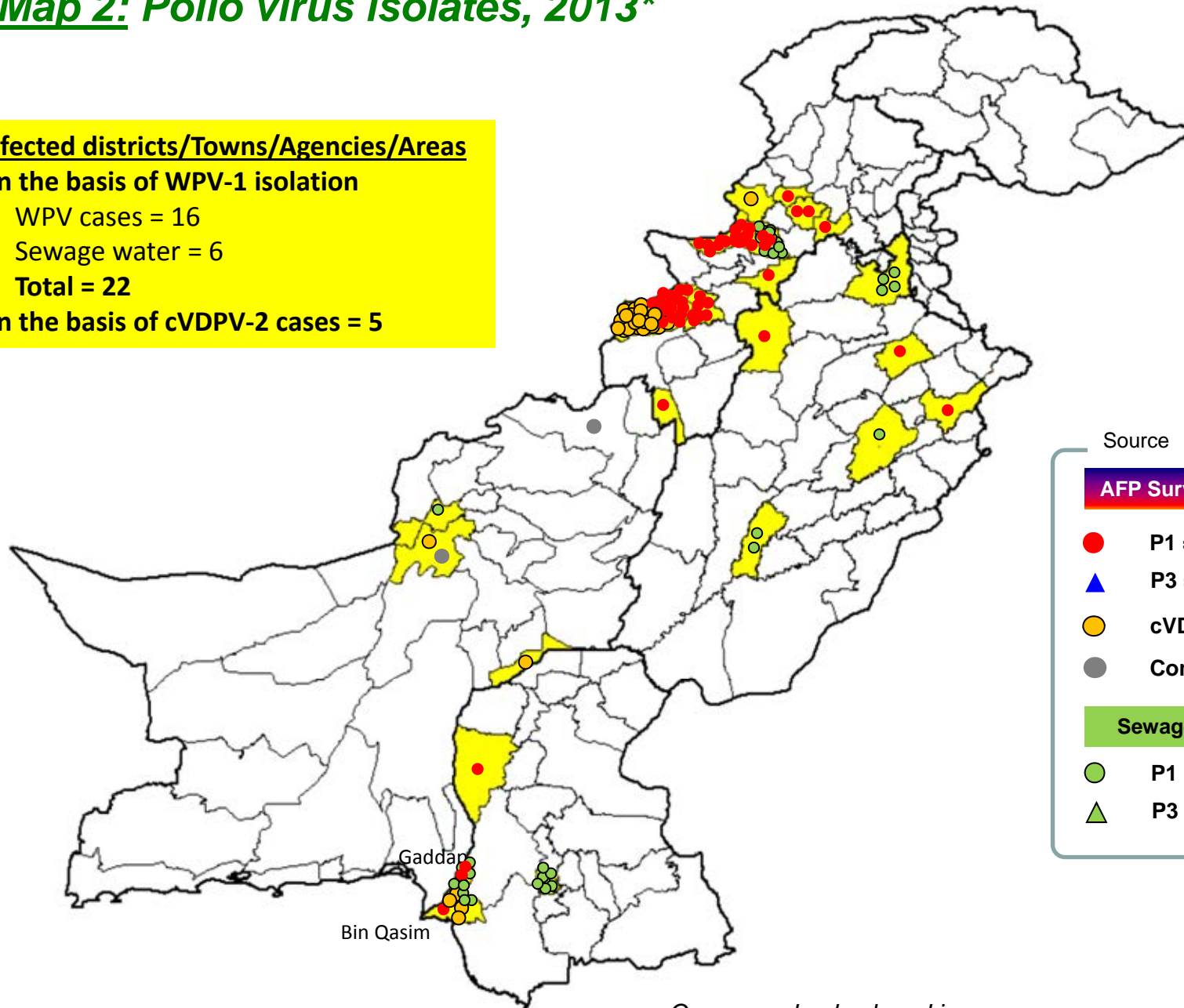
Map 2: Polio virus isolates, 2013*

Infected districts/Towns/Agencies/Areas

On the basis of WPV-1 isolation

- WPV cases = 16
- Sewage water = 6
- Total = 22

On the basis of cVDPV-2 cases = 5



Source

AFP Surveillance

- P1 = 56
- ▲ P3 = 0
- cVDPV-2 = 38
- Compatible = 2

Sewage water

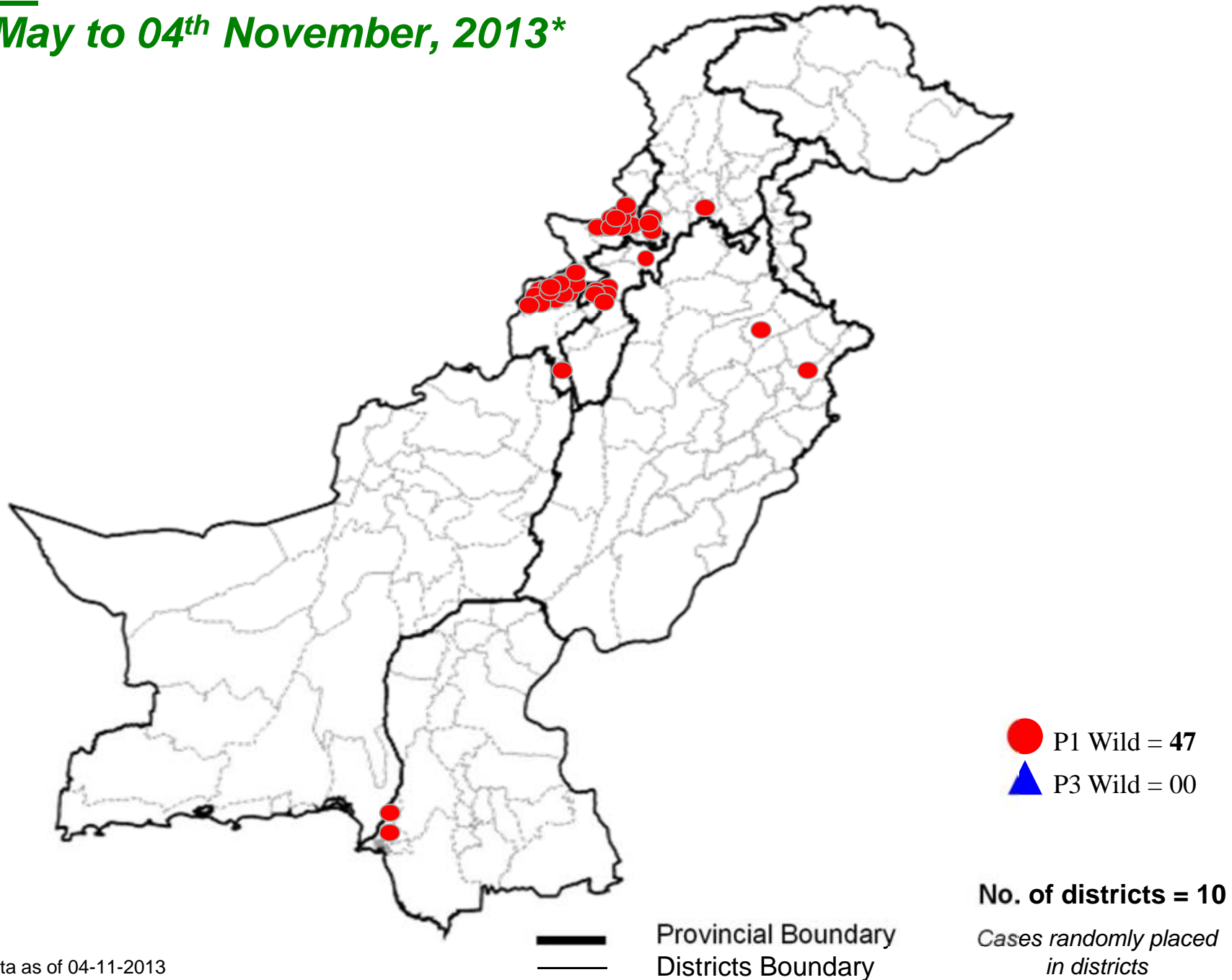
- P1 = 40
- ▲ P3 = 0

— Provincial Boundary
 — Districts Boundary

Cases randomly placed in districts

* Afp.rec Data as of 04-11-2013

Map 3: Wild Polio cases in the last 6 months from 05th May to 04th November, 2013*



* Afp.rec Data as of 04-11-2013

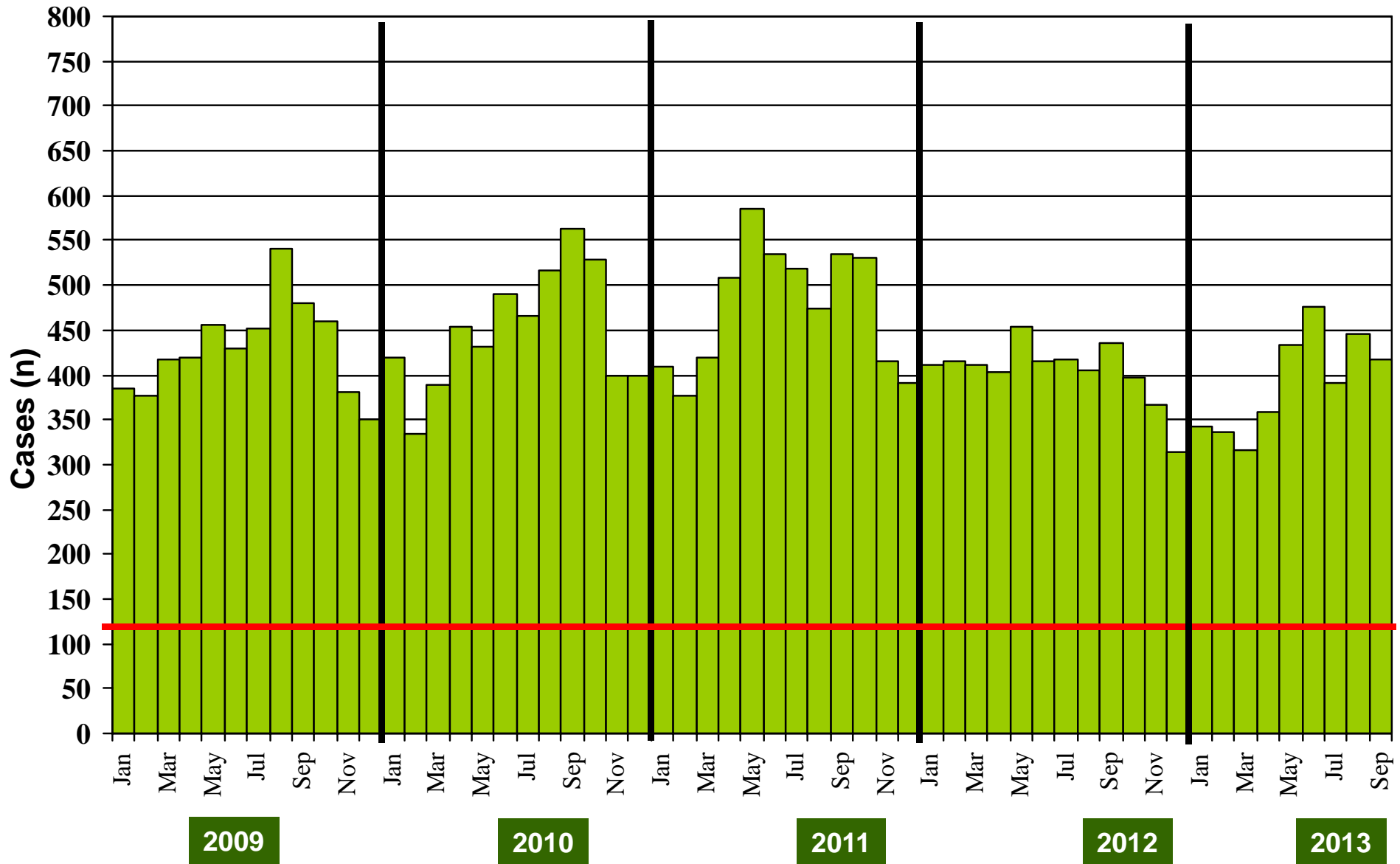
**Table 4: Distribution of AFP Cases By Week of Onset ^
Pakistan 2013* [Week number/Ending on]**

PROVINCE	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	W 39 28 Sep 2013	W 40 05 Oct 2013	W 41 12 Oct 2013	W 42 19 Oct 2013	W 43 26 Oct 2013
PUNJAB	44	37	53	30	52	52	43	49	49	55	53	49	24	18	13
SINDH	14	19	11	18	27	26	19	20	27	21	19	26	11	7	7
KP	17	24	20	14	25	18	26	22	15	18	17	22	14	11	7
FATA	2	5	4	14	6	12	8	13	18	11	14	16	10	5	5
BALUCHISTAN	6	3	2	3	8	9	2	1	5	5	3	4	3	2	2
AJK	1	2	0	0	2	2	2	0	1	0	0	0	0	0	0
GILGIT BILTISTAN	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
ISLAMABAD	0	1	0	0	1	0	1	0	0	0	0	1	0	0	0
PAKISTAN	84	91	90	79	121	119	101	106	115	110	106	118	62	43	34

* Afp.rec & Afplab.rec: Data as of 04-11-2013

^ MMWR Epidemiological Weeks

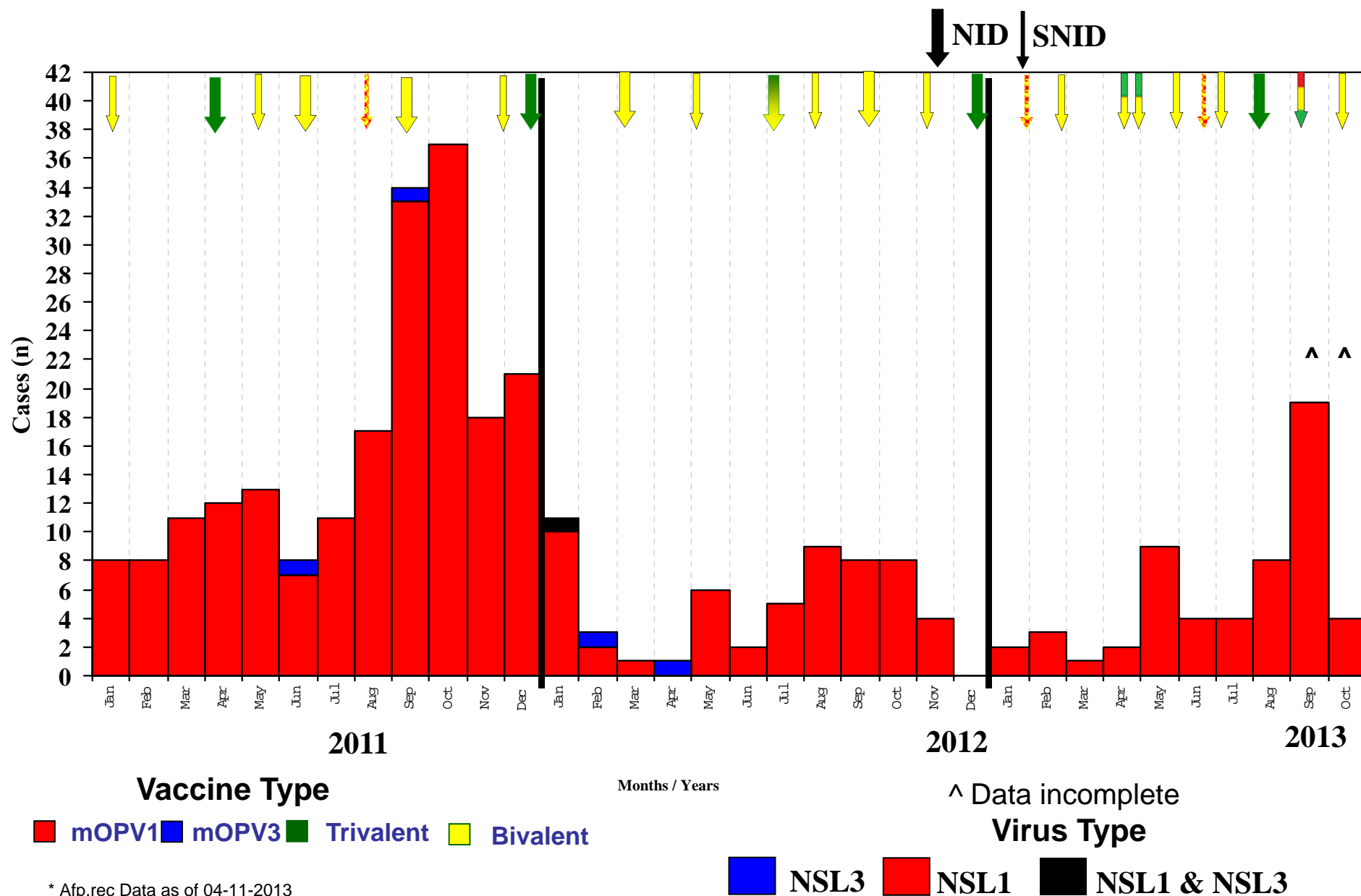
Graph 1: Distribution of AFP Cases by Month, Pakistan 2009-2013*



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

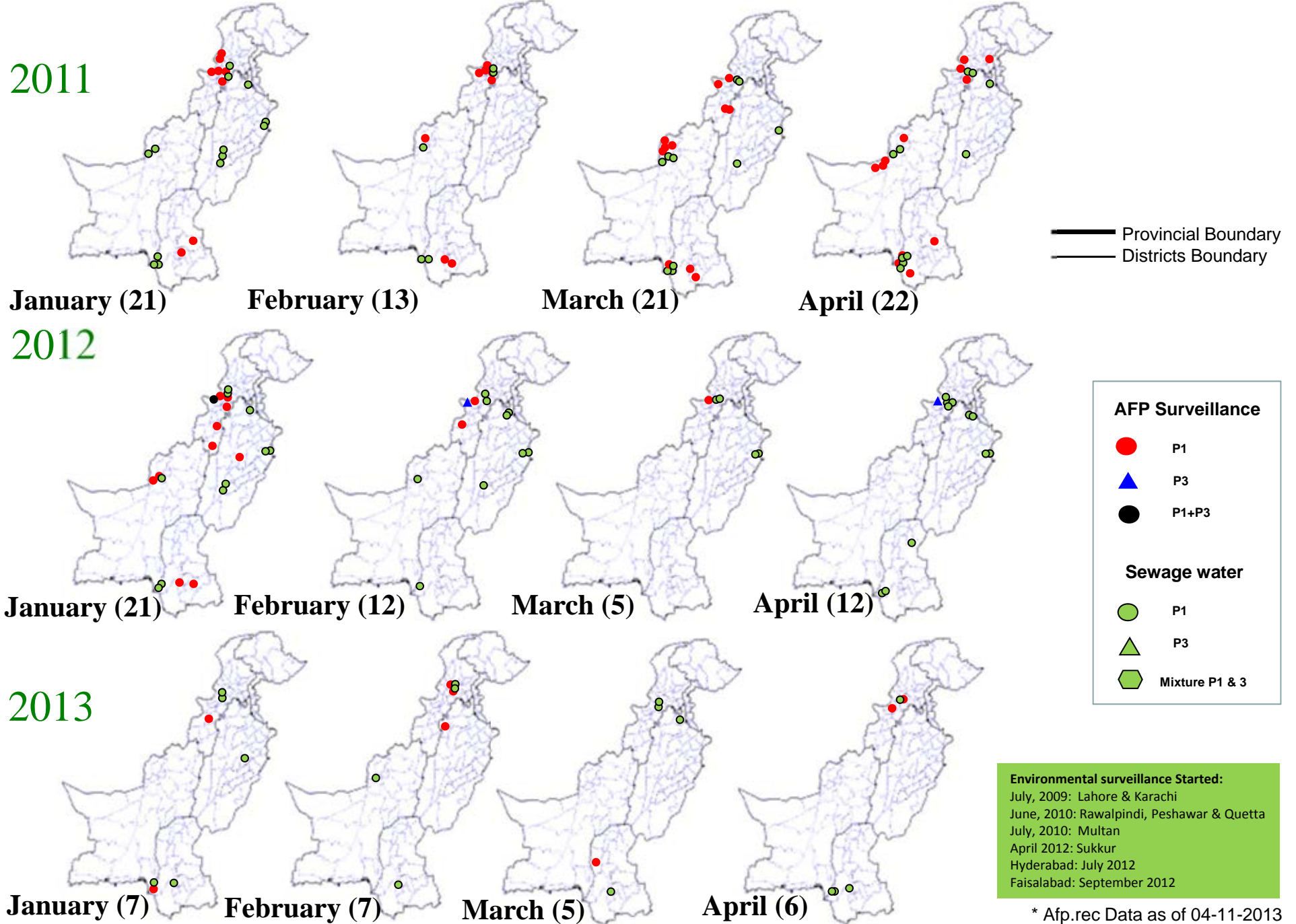
* Afp.rec Data as of 04-11-2013

Confirmed Polio Cases By Poliovirus Type, 2011-2013*



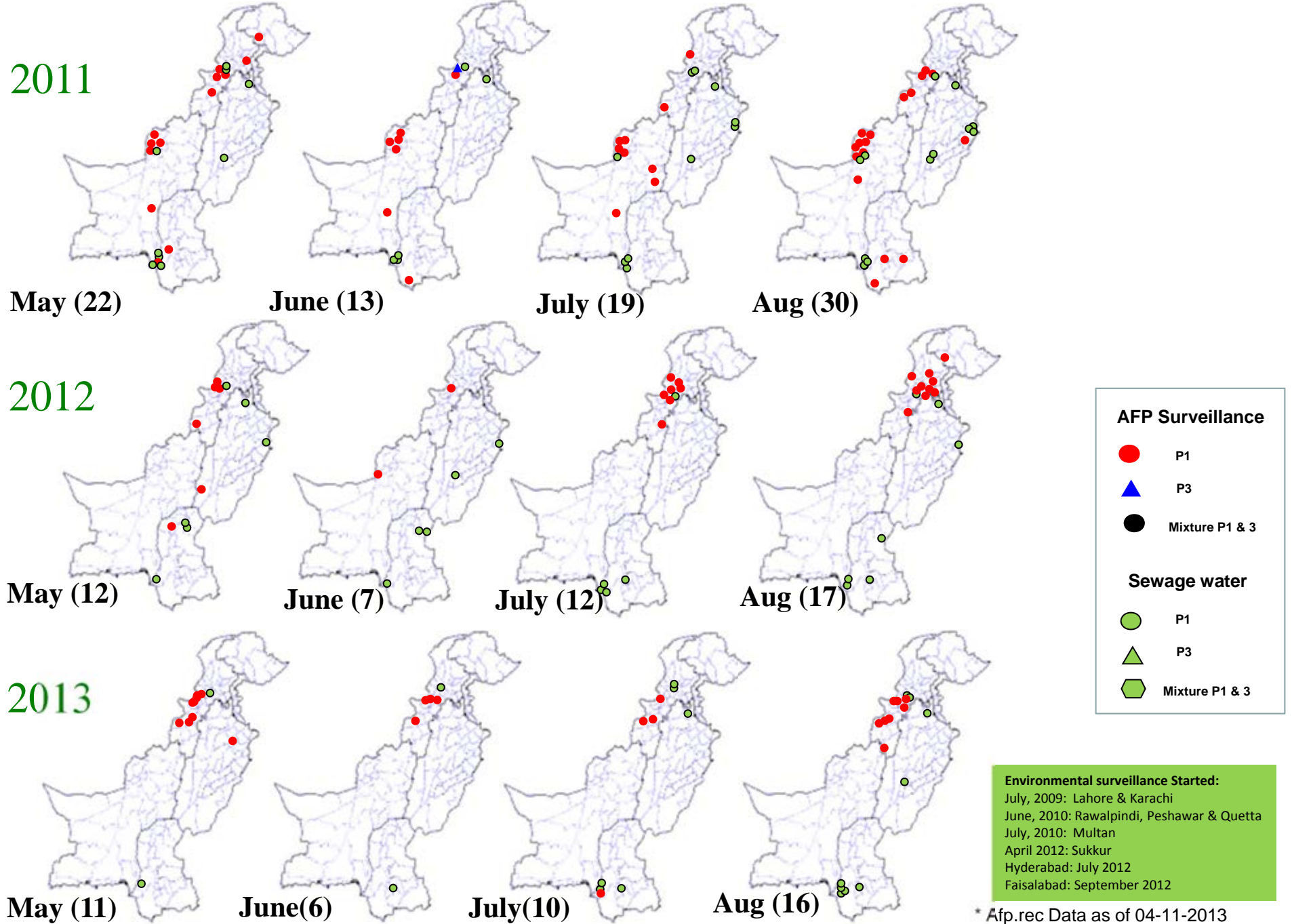
* Afp.rec Data as of 04-11-2013

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



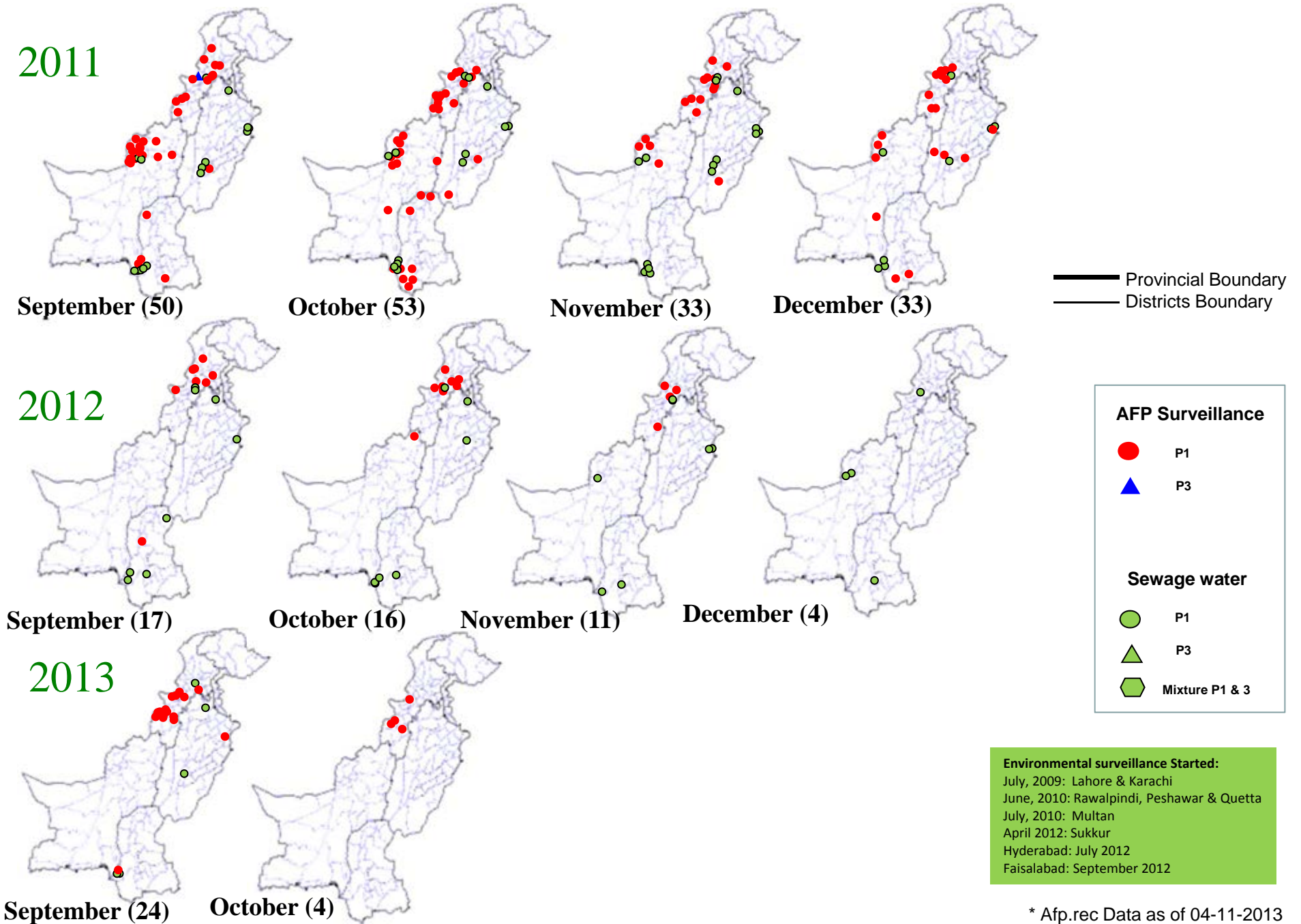
* Afp.rec Data as of 04-11-2013

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



* Afp.rec Data as of 04-11-2013

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

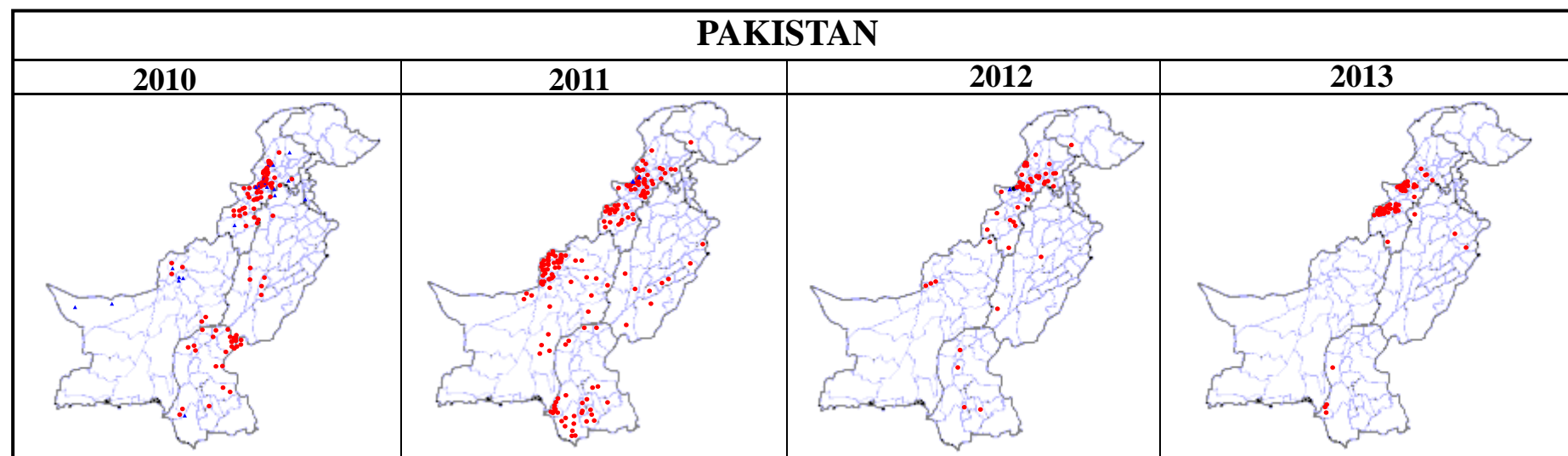


* Afp.rec Data as of 04-11-2013

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	3	1	0	-	-	7	9	2	3
SINDH	26	33	4	4	1	0	-	-	27	33	4	4
KP	19	23	27	9	5	0	-	-	24	23	27	9
FATA^	63	57	17	40	11	2	2	-	74	59	20^	40
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	56	24	2	2	-	144	198	58	56

^ FATA reported mixture of NSL1 & NSL3



* Afp.rec Data as of 04-11-2013

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

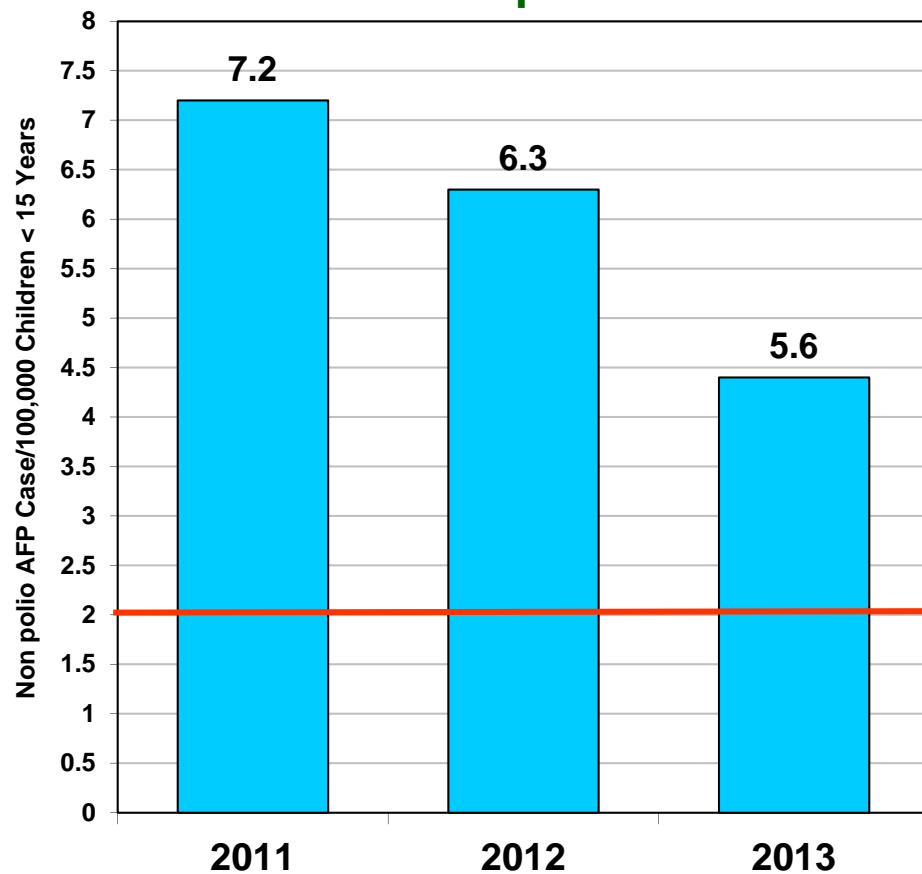
REGION	0 dose				1-2 doses				3 doses				4-6 doses				7+ doses			
	10	11	12	13	10	11	12	13	10	11	12	13	10	11	12	13	10	11	12	13
Central Punjab	0%	0%	0%	0%	1%	1%	0%	0%	1%	2%	0%	1%	7%	6%	4%	8%	91%	92%	95%	91%
North Punjab	0%	0%	0%	0%	0%	1%	0%	0%	2%	1%	0%	0%	6%	5%	4%	4%	91%	93%	96%	96%
South Punjab	0%	0%	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%	6%	92%	93%	96%	93%
Karachi	2%	4%	1%	1%	0%	1%	1%	4%	3%	0%	2%	0%	7%	6%	6%	4%	88%	88%	90%	91%
North Sindh	0%	0%	0%	0%	1%	1%	0%	0%	0%	0%	1%	0%	4%	5%	4%	6%	95%	94%	94%	94%
South Sindh	0%	1%	0%	0%	1%	1%	1%	0%	1%	0%	2%	1%	9%	6%	4%	8%	89%	93%	93%	91%
SINDH	1%	1%	0%	0%	1%	1%	1%	1%	1%	0%	1%	0%	7%	6%	4%	6%	91%	92%	93%	92%
Central Khyber Pakhtunkhwa	1%	1%	2%	1%	0%	1%	1%	0%	1%	0%	0%	0%	2%	3%	2%	2%	97%	95%	95%	96%
North Khyber Pakhtunkhwa	2%	1%	2%	0%	1%	2%	2%	1%	2%	1%	2%	1%	6%	7%	9%	6%	89%	90%	85%	93%
South Khyber Pakhtunkhwa	3%	2%	2%	1%	3%	4%	1%	0%	3%	4%	1%	0%	14%	7%	9%	5%	76%	83%	87%	94%
Khyber Pakhtunkhwa	1%	1%	2%	1%	1%	2%	1%	0%	2%	1%	1%	0%	6%	5%	6%	4%	90%	91%	89%	95%
FATA	14%	14%	18%	41%	11%	10%	6%	5%	6%	5%	3%	5%	18%	11%	12%	6%	51%	61%	62%	42%
North Balochistan	12%	4%	12%	10%	0%	12%	10%	13%	4%	23%	3%	4%	12%	12%	17%	19%	72%	50%	57%	54%
Quetta Block	0%	31%	14%	10%	11%	10%	10%	10%	0%	3%	0%	0%	9%	14%	14%	10%	81%	43%	62%	71%
Rest of Balochistan	6%	7%	9%	6%	2%	2%	6%	3%	2%	5%	5%	6%	11%	10%	10%	25%	78%	76%	70%	58%
BALUCHISTAN	5%	16%	8%	7%	4%	6%	8%	7%	2%	6%	3%	5%	11%	12%	17%	17%	78%	60%	64%	64%
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 04-11-2013

Key Surveillance Indicators; 2011-2013*

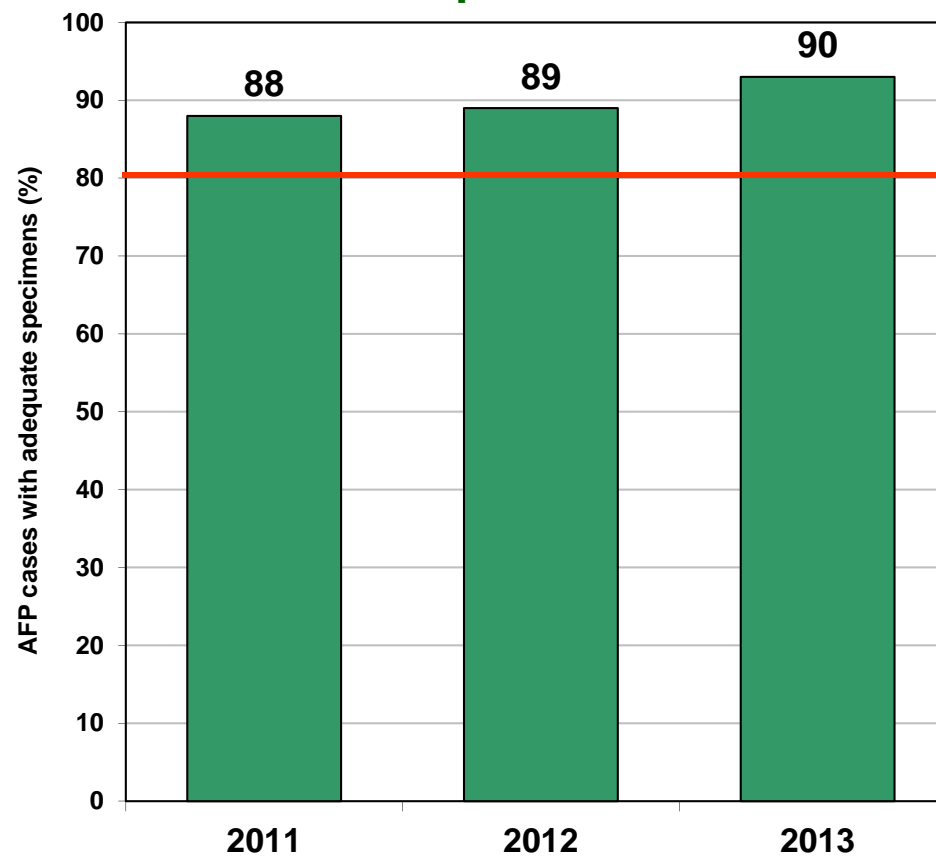
(Non polio AFP rate and % AFP cases with adequate specimens)

Graph 3



■ Non Polio AFP Rate

Graph 4



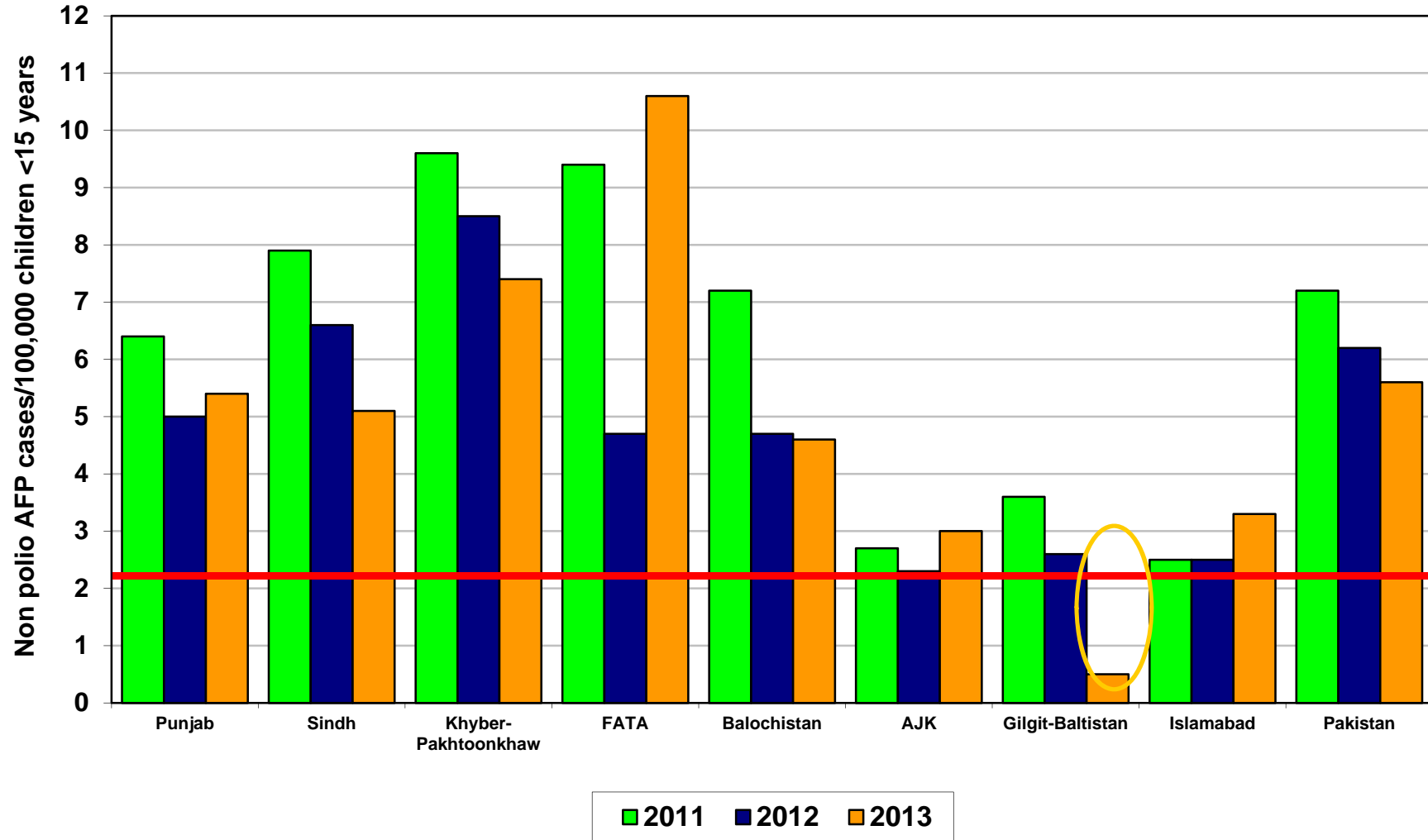
■ % AFP with Adequate Specimens

— Target

Non Polio AFP rate Up to Week No. 43 ended on 26th October, 2013

* Afp.rec Data as of 04-11-2013

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

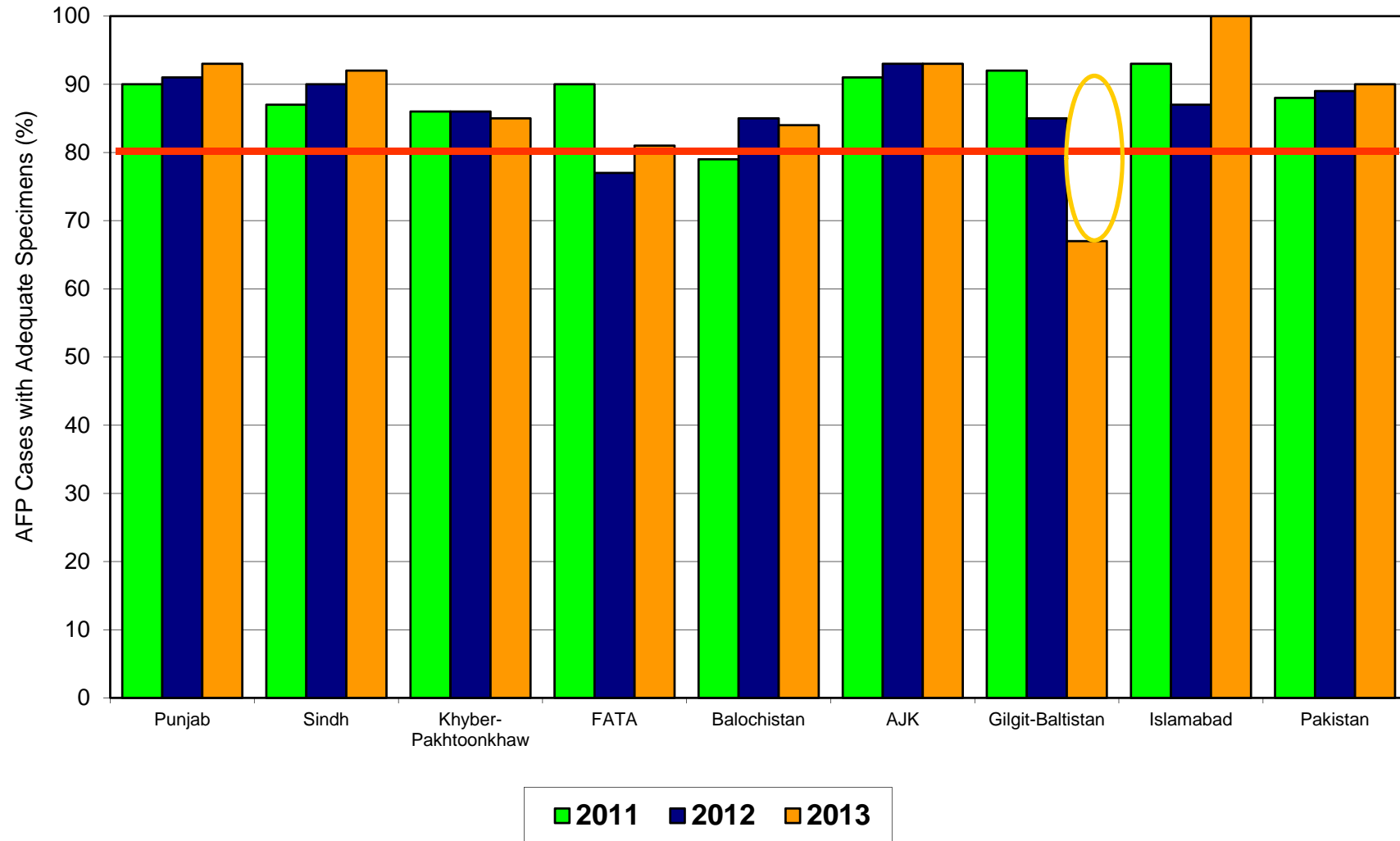


Non Polio AFP rate Up to Week No. 43 ended on 26th October, 2013

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

* Afp.rec Data as of 04-11-2013

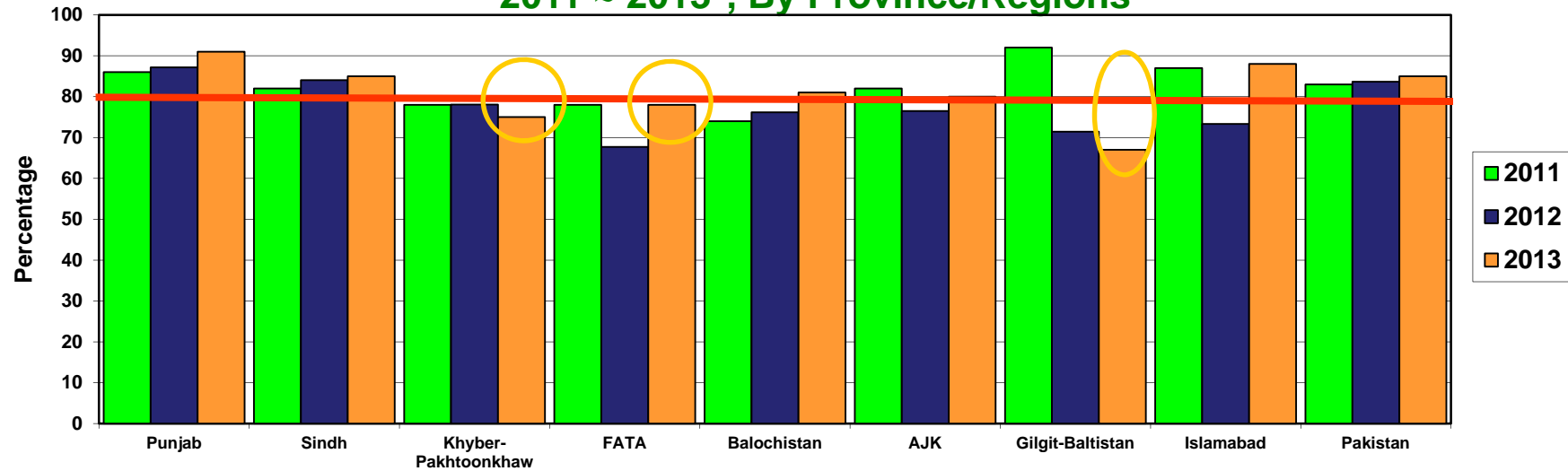
Percent AFP Cases with Adequate Specimens By Province/Regions, 2011-2013*



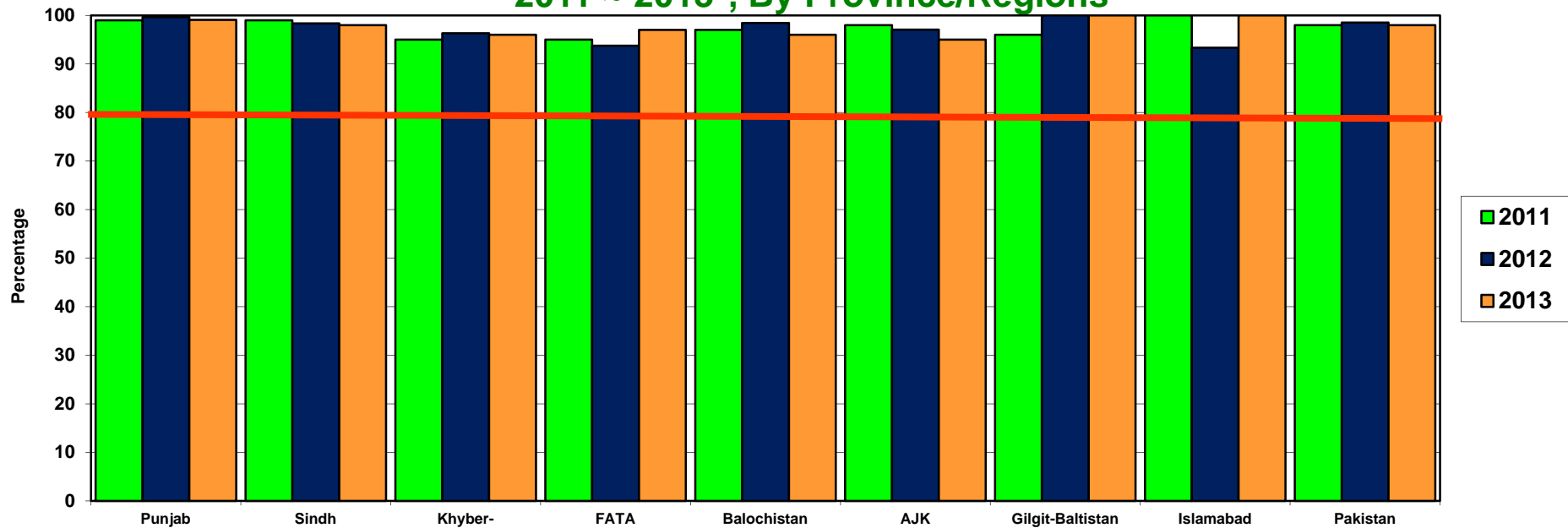
* Afp.rec Data as of 04-11-2013

Target Adequate Sample cases = 80%

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



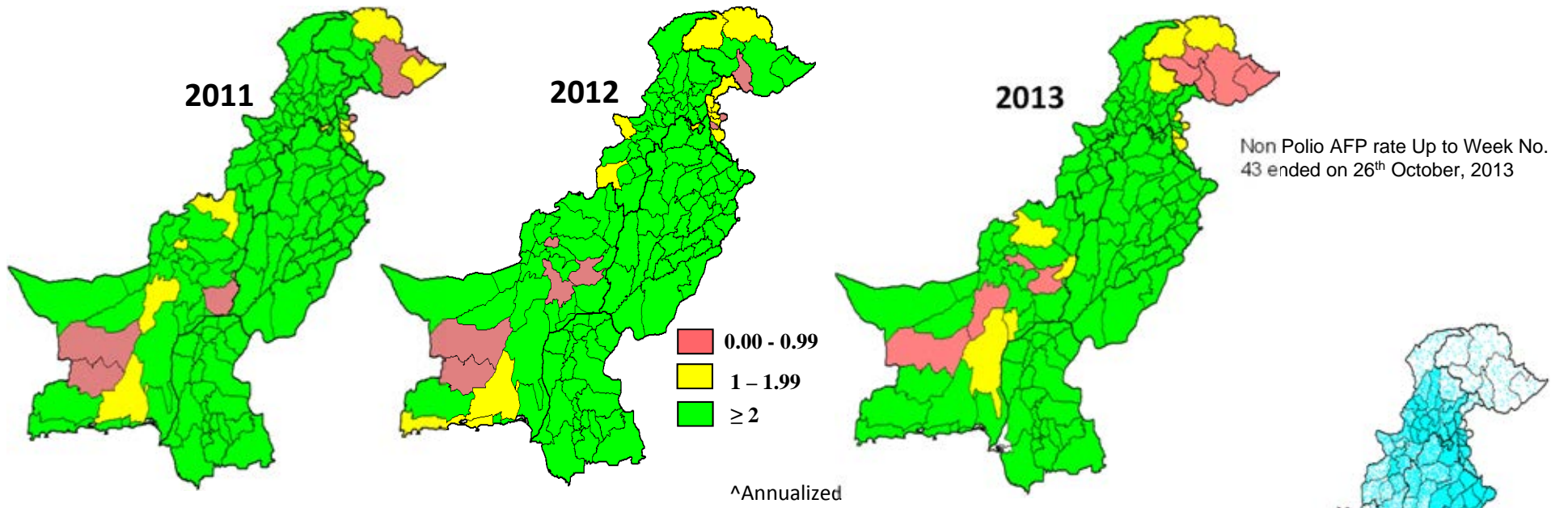
**Graph 6: Percent AFP Cases Investigated within 48 hours of notification
2011 ~ 2013*, By Province/Regions**



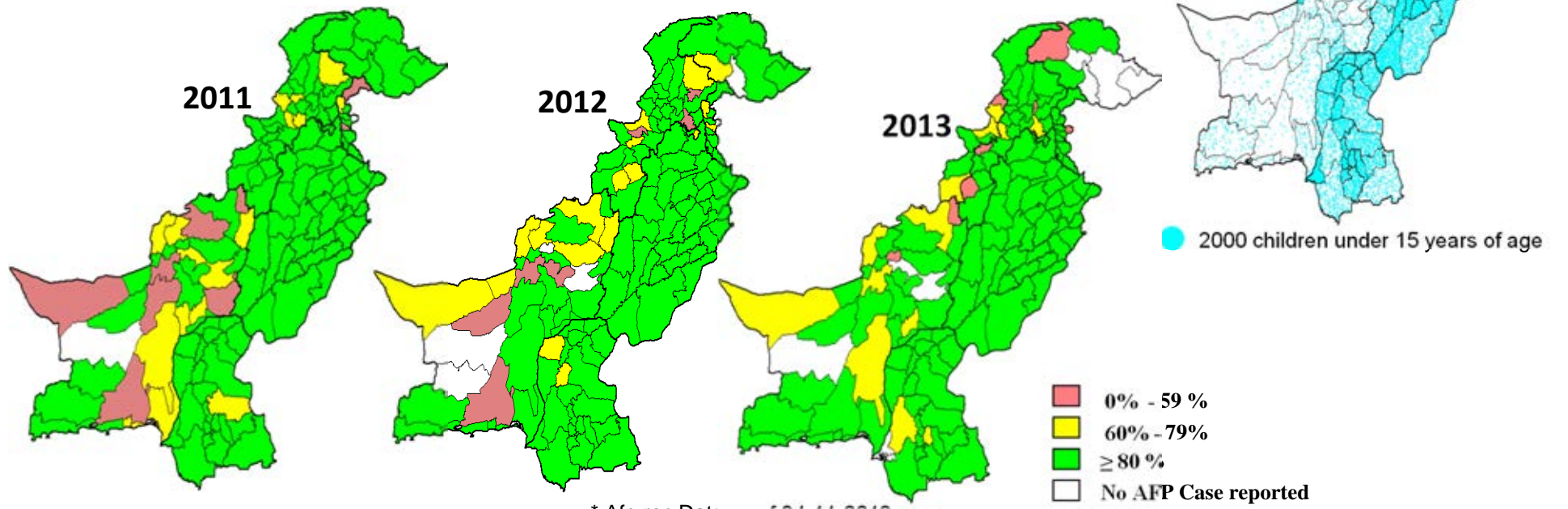
* Afp.rec Data as of 04-11-2013

— Target

Non-Polio^ AFP Rate by District



Percent AFP Cases with Adequate Specimens, by District



* Afp.rec Data as of 04-11-2013

Table 7: AFP CASES PENDING FOR CLASSIFICATION WITH DATE OF ONSET MORE THAN 90 DAYS* 2013 (1/3)

S. No	DISTRICT	TEHSIL	EPID	SEX	AGE	DONSET	DOSESE	DSTOOL1	DSTOOL2	LAB	FEVER	ASYM	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	303
2	KHYBER	LANDI KOTAL	FT/34/13/003	M	84	10-02-13	7+	25-02-13	27-02-13	NVI	Y	N	Y		263
3	KHYBER	JAMRUD	FT/34/13/004	F	16	22-01-13	7+	05-03-13	06-03-13	EV	Y	Y	Y		282
4	MARDAN	MARDAN	KP/40/13/007	M	29	17-01-13	7+	06-02-13	07-02-13	EV	Y	Y	Y	Y	287
5	PESHAWAR	PESHAWAR	KP/30/13/008	M	96	15-01-13	7+	26-02-13	27-02-13	NVI	N	N	Y	Y	289
6	SWAT	SWAT	KP/24/13/004	M	120	20-02-13	7+	Child Died Before Stool Collection			Y	N	Y	DIED	253
7	WAZIR-N	MIRAN SHAH	FT/64/13/001	M	96	08-02-13	6	13-02-13		NVI	Y	N	Y	DIED	265
8	BAHAWALPUR	HASILPUR	PB/71/13/029	F	18	27-06-13	7+	24-07-13	25-07-13	EV	Y	Y	Y	Y	126
9	BAHWLNAGAR	MINCHINABAD	PB/73/13/038	F	120	08-06-13	7+	29-06-13	01-07-13	EV	N	N	Y	Y	145
10	BAHWLNAGAR	FORTABBAS	PB/73/13/043	M	102	23-06-13	7+	Child Died Before Stool Collection			Y	N	Y	DIED	130
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	162
12	FAISALABAD	FAISALABAD CITY	PB/51/13/061	F	144	01-08-13	7+	Child Died Before Stool Collection			N	N	Y	DIED	91
13	GUJRANWALA	KHIALI SHAHPUR	PB/21/13/055	M	96	14-06-13	7+	03-07-13	05-07-13	NVI	Y	Y	Y	Y	139
14	KHANEWAL	KABIRWALA	PB/62/13/042	F	108	28-06-13	7+	07-07-13		NVI	Y	N	Y	DIED	125
15	KHANEWAL	JAHANIAN	PB/62/13/047	M	120	29-06-13	7+	29-07-13	31-07-13	NVI	Y	N	Y	Y	124
16	KHANEWAL	KABIRWALA	PB/62/13/049	M	120	06-07-13	7+	28-08-13	29-08-13	NVI	Y	Y	Y	Y	117
17	LAYYAH	LAYYAH	PB/84/13/024	F	72	28-07-13	7+	Child Died Before Stool Collection			N	N	Y	DIED	95
18	LODHRAN	LODHRAN	PB/64/13/034	M	95	04-07-13	7+	18-07-13	25-07-13	NVI	Y	N	Y	Y	119
19	LODHRAN	LODHRAN	PB/64/13/035	M	84	22-05-13	7+	14-07-13	15-07-13	NVI	N	N	Y	Y	162
20	MULTAN	JALALPUR PIRWALA	PB/61/13/046	M	76	18-05-13	7+	17-06-13	19-06-13	NVI	Y	Y	Y	Y	166
21	MULTAN	JALALPUR PIRWALA	PB/61/13/073	M	4	01-08-13	6	06-09-13	08-09-13	NVI	Y	N	Y	Y	91
22	MUZFARGARH	ALIPUR	PB/83/13/076	M	2	08-07-13	1	10-08-13	12-08-13	NVI	N	Y	Y	Y	115
23	MUZFARGARH	KOT ADDU	PB/83/13/081	M	25	13-07-13	7+	22-08-13	24-08-13	NVI	Y	Y	Y	Y	110
24	OKARA	DEPALPUR	PB/34/13/031	M	24	27-05-13	7+	07-07-13	08-07-13	EV	N	Y	Y	Y	157
25	PAKPATTEN	PAKPATTAN	PB/66/13/018	M	156	25-07-13	7+	15-08-13	16-08-13	NVI	Y	Y	Y	Y	98
26	PAKPATTEN	PAKPATTAN	PB/66/13/021	M	60	14-06-13	7+	Late Notified			Y	Y	Y	Y	139
27	RAJANPUR	RAJANPUR	PB/82/13/036	F	6	03-06-13	5	07-07-13	08-07-13	EV	Y	Y	Y	Y	150
28	RAWALPINDI	RAWALPINDI	PB/11/13/028	M	132	13-05-13	7+	03-06-13	05-06-13	NVI	N	N	Y	Y	171
29	RAWALPINDI	MURREE	PB/11/13/041	M	177	05-07-13	7+	23-07-13	24-07-13	NVI	N	N	Y	Y	118
30	SAHIWAL	SAHIWAL	PB/65/13/024	M	120	12-06-13	7+	22-07-13	23-07-13	NVI	Y	Y	Y	Y	141
31	SAHIWAL	CHICHAWATNI	PB/65/13/025	F	6	25-06-13	5	30-07-13	01-08-13	NVI	Y	N	Y	Y	128
32	SHEIKUPURA	FEROZEWALA	PB/33/13/030	M	144	22-05-13	7+	14-06-13	15-06-13	NVI	N	Y	Y	Y	162
33	SHEIKUPURA	MURIDKE	PB/33/13/038	M	84	03-07-13	7+	11-07-13		NVI	Y	N	Y	DIED	120
34	TTSINGH	GOJRA	PB/52/13/032	M	2	24-06-13	3	25-07-13	27-07-13	EV	Y	N	Y	Y	129
35	GHOTKI	KHANGARH	SD/42/13/052	M	72	21-07-13	7+	30-08-13	31-08-13	NVI	Y	N	Y	Y	102
36	HYDERABAD	HYDERABAD RURAL	SD/21/13/006	M	84	01-04-13	7+	Child Died Before Stool Collection			Y	N	Y	DIED	213
37	JACOBABAD	THUL	SD/53/13/013	M	156	16-05-13	7+	11-06-13	15-06-13	NVI	Y	Y	Y	Y	168
38	JACOBABAD	THUL	SD/53/13/017	M	10	26-06-13	7+	26-07-13	27-07-13	EV	Y	Y	Y	Y	127
39	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	181
40	KAMBAR	WARAH	SD/55/13/006	M	96	01-01-13	7+	Late Notified			N	Y	Y	Y	303
41	KASHMORE	KANDHKOT	SD/54/13/002	M	54	27-05-13	7+	Late Notified			N	N	Y	LOST	157
42	KHIBALDIA	BALDIA	SD/61/13/005	F	36	18-06-13	4	Late Notified			N	N	Y	DIED	135
43	KHIGADAP	GADAP	SD/63/13/010	F	42	02-06-13	7+	Child Died Before Stool Collection			Y	N	Y	DIED	151
44	KHIJAMSHEED	JAMSHEED	SD/66/13/004	F	60	01-05-13	7+	Child Died Before Stool Collection			Y	N	Y	DIED	183

€ Based on recall of parents

* Afp.rec Data as of 04-11-2013

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 (2/3)

S. No	DISTRICT	TEHSIL	EPID	SEX	AGE	DONSET	DOSE€	DSTOOL1	DSTOOL2	LAB	FEVER	ASTM	PROG	FUP	PEND (DAYS)
45	KHIKAMARI	KAMARI	SD/67/13/005	M	108	25-06-13	7+	07-07-13	15-07-13	NVI	Y	Y	Y	Y	128
46	KHISADDAR	SADDAR	SD/77/13/004	F	38	05-04-13	7+	10-05-13	11-05-13	NVI	N	N	Y	Y	209
47	NFEROZ	BHIRIA	SD/45/13/003	F	144	05-02-13	7+	Child Died Before Stool Collection			Y	Y	Y	DIED	268
48	NFEROZ	MORO	SD/45/13/013	F	54	10-05-13	7+	01-06-13	02-06-13	NVI	N	Y	Y	Y	174
49	SANGHAR	KHIPRO	SD/32/13/005	M	144	05-03-13	7+	Late Notified			N	N	Y	Y	240
50	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	156
51	T.ALLAHYAR	J.MUREE	SD/27/13/010	M	72	13-06-13	7+	Child Died Before Stool Collection			Y	Y	Y	DIED	140
52	THATTA	THATTA	SD/22/13/032	M	72	06-06-13	7+	15-07-13	16-07-13	NVI	Y	Y	Y	Y	147
53	ABOTABAD	HAVALIAN	KP/10/13/017	M	96	23-07-13	7+	14-08-13	15-08-13	NVI	Y	N	Y	Y	100
54	ABOTABAD	ABBOTABAD	KP/10/13/021	M	49	27-07-13	7+	16-08-13	17-08-13	EV	N	N	N		96
55	BANNU	BANNU	KP/61/13/010	M	53	30-04-13	7+	Late Notified			Y	N	N	Y	184
56	BUNIR	DAGGAR	KP/22/13/008	M	35	12-03-13	7+	01-04-13	02-04-13	NVI	Y	Y	Y	Y	233
57	BUNIR	DAGGAR	KP/22/13/007	M	132	28-02-13	7+	30-03-13	31-03-13	NVI	N	N	Y	Y	245
58	BUNIR	DAGGAR	KP/22/13/015	M	72	01-01-13	7+	Late Notified			Y	Y	Y	Y	303
59	DIKHAN	KULACHI	KP/60/13/013	F	18	22-04-13	5	16-06-13	17-06-13	VACC	N	Y	Y	Y	192
60	DIKHAN	DIKHAN	KP/60/13/014	M	54	17-06-13	7+	20-06-13		NVI	Y	Y	Y	DIED	136
61	DIRLOWER	SAMAR BAGH	KP/23/13/015	F	13	30-01-13	7+	Late Notified			Y	Y	Y	Y	274
62	DIRLOWER	SAMAR BAGH	KP/23/13/033	F	96	25-07-13	7+	05-09-13	07-09-13	NVI	Y	Y	Y	Y	98
63	DIRUPPER	DIR	KP/25/13/006	F	21	25-07-13	7+	08-08-13	10-08-13	EV	UK	Y	Y		98
64	HANGU	HANGU	KP/54/13/005	M	12	21-06-13	7+	08-07-13	09-07-13	EV	Y	Y	Y		132
65	HANGU	HANGU	KP/54/13/004	F	30	05-06-13	7+	05-07-13	06-07-13	EV	Y	N	Y	Y	148
66	HANGU	HANGU	KP/54/13/008	M	36	03-07-13	7+	24-07-13		EV	Y	N	Y		120
67	HARIPUR	HARIPUR	KP/12/13/005	M	66	18-01-13	7+	19-02-13	20-02-13	EV	N	N	Y	Y	286
68	HARIPUR	HARIPUR	KP/12/13/012	F	20	18-04-13	7+	19-05-13	20-05-13	EV	Y	Y	Y	Y	196
69	HARIPUR	HARIPUR	KP/12/13/019	F	20	28-06-13	7+	18-08-13	19-08-13		Y	Y	Y		125
70	KOHAT	LACHI	KP/50/13/012	M	96	28-05-13	7+	26-06-13	27-06-13	NVI	N	N	Y	Y	156
71	KOHAT	LACHI	KP/50/13/015	M	21	15-05-13	7+	Late Notified			Y	Y	Y	Y	169
72	LAKKIMRWT	LAKKIMRWT	KP/62/13/018	M	26	22-05-13	7+	21-06-13	22-06-13		N	Y	Y	Y	162
73	MANSEHRA	MANSEHRA	KP/14/13/005	M	168	17-03-13	7+	26-10-13	28-10-13		N	N	Y	DIED	228
74	MANSEHRA	MANSEHRA	KP/14/13/010	F	9	01-06-13	6	17-06-13	19-06-13	NVI	Y	N	Y	DIED	152
75	MANSEHRA	MANSEHRA	KP/14/13/019	F	24	13-07-13	7+	Child Died Before Stool Collection			UK	UK	Y	DIED	110
76	MARDAN	TAKHT BHAI	KP/40/13/034	M	5	10-03-13	6	Late Notified			N	Y	UK	Y	235
77	MARDAN	MARDAN	KP/40/13/059	F	24	25-07-13	7+	21-08-13	22-08-13	NVI	Y	Y	Y	Y	98
78	MARDAN	MARDAN	KP/40/13/046	F	24	15-06-13	7+	05-07-13	06-07-13	EV	Y	Y	Y	Y	138
79	MARDAN	MARDAN	KP/40/13/073	M	23	15-06-13	7+	Late Notified			UK	Y	UK	Y	138
80	NOWSHERA	NOWSHERA	KP/32/13/012	F	108	15-03-13	7+	Child Died Before Stool Collection			Y	N	Y	DIED	230
81	NOWSHERA	NOWSHERA	KP/32/13/029	M	14	28-07-13	7+	17-08-13	18-08-13	EV	Y	Y	Y		95
82	NOWSHERA	NOWSHERA	KP/32/13/031	M	25	25-07-13	7+	21-08-13	22-08-13	EV	Y	Y	Y		98
83	PESHAWAR	PESHAWAR	KP/30/13/022	F	22	06-02-13	7+	Late Notified			N	N	N	Y	267
84	PESHAWAR	PESHAWAR	KP/30/13/026	M	24	17-04-13	0	17-05-13	19-05-13	EV	Y	Y	Y	Y	197
85	PESHAWAR	PESHAWAR	KP/30/13/039	F	54	03-05-13	7+	14-06-13	15-06-13	EV	Y	Y	Y	Y	181
86	PESHAWAR	PESHAWAR	KP/30/13/047	M	9	23-06-13	7+	08-07-13	09-07-13	NVI	Y	Y	Y		130
87	PESHAWAR	PESHAWAR	KP/30/13/043	F	66	16-06-13	7+	07-07-13	08-07-13	NVI	Y	Y	Y	Y	137
88	PESHAWAR	PESHAWAR	KP/30/13/052	M	36	13-07-13	7+	27-07-13	28-07-13	EV	N	Y	Y		110

€ Based on recall of parents

* Afp.rec Data as of 04-11-2013

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 (3/3)

S. No	DISTRICT	TEHSIL	EPID	SEX	AGE	DONSET	DOSE€	DSTOOL1	DSTOOL2	LAB	FEVER	ASTM	PROG	FUP	PEND (DAYS)
89	PESHAWAR	PESHAWAR	KP/30/13/055	F	48	22-07-13	7+	06-08-13	07-08-13	NVI	N	Y	Y		101
90	PESHAWAR	PESHAWAR	KP/30/13/057	F	21	14-07-13	7+	16-08-13	17-08-13	EV	Y	Y	Y		109
91	SHANGLA	MARTOONG	KP/26/13/001	M	72	08-01-13	7+	Late Notified			Y	Y	Y	LOST	296
92	SHANGLA	CHAKISAR	KP/26/13/008	F	36	01-06-13	7+	27-06-13	31-07-13	NVI	Y	Y	Y	Y	152
93	SWAT	SWAT	KP/24/13/006	F	132	02-04-13	7+	10-04-13		NVI	N	N	Y	DIED	212
94	SWAT	SWAT	KP/24/13/009	M	16	19-04-13	7+	14-05-13	15-05-13	NVI	Y	N	N	Y	195
95	TANK	TANK	KP/63/13/005	M	42	25-02-13	7+	27-04-13	28-04-13	NVI	Y	N	UK	Y	248
96	TANK	TANK	KP/63/13/008	M	24	06-07-13	7+	30-08-13	31-08-13	EV	N	Y	Y		117
97	JAFARABAD	SOHBAT PUR	BN/43/13/015	F	30	18-07-13	7+	30-08-13	31-08-13	EV	Y	Y	Y	Y	105
98	QUETTA	QUETTA CITY	BN/11/13/006	F	9	12-04-13	7+	27-05-13	28-05-13	NVI	N	Y	Y	Y	202
99	BAJOUR	MAMUND	FT/33/13/007	M	45	02-01-13	7+	Late Notified			N	Y	Y	Y	302
100	BAJOUR	KHAR	FT/33/13/018	M	22	08-07-13	7+	23-08-13	24-08-13	NVI	Y	Y	Y		115
101	BAJOUR	MAMUND	FT/33/13/017	F	44	09-07-13	7+	13-08-13	14-08-13	EV	Y	N	N		114
102	BAJOUR	MAMUND	FT/33/13/022	M	17	28-07-13	7+	12-09-13	13-09-13	NVI	N	Y	N		95
103	FR BANNU	FR BANNU	FT/69/13/007	M	22	30-07-13	3	28-08-13	29-08-13	EV	Y	Y	Y		93
104	KHYBER	LANDI KOTAL	FT/34/13/005	M	132	09-03-13	7+	12-03-13		EV	N	N	Y		236
105	KHYBER	JAMRUD	FT/34/13/002	F	24	18-01-13	7+	21-02-13	23-02-13	NVI	N	Y	Y		286
106	KHYBER	JAMRUD	FT/34/13/017	M	14	08-06-13	0	16-06-13		NVI	Y	Y	Y		145
107	KHYBER	BARA	FT/34/13/016	F	10	06-06-13	0	21-06-13	23-06-13	NVI	Y	Y	Y		147
108	KHYBER	BARA	FT/34/13/018	M	12	11-06-13	0	01-07-13	02-07-13	EV	Y	Y	Y		142
109	KHYBER	BARA	FT/34/13/021	F	18	13-07-13	0	25-07-13	29-07-13	NVI	N	N	Y		110
110	MOHMAND	PINDIALI	FT/35/13/006	F	17	05-05-13	7+	17-06-13	18-06-13	NVI	Y	Y	Y		179
111	MOHMAND	UPPER MOHMAND	FT/35/13/003	F	18	18-04-13	7+	07-05-13	08-05-13	NVI	Y	Y	Y	Y	196
112	MOHMAND	UPPER MOHMAND	FT/35/13/008	M	26	08-05-13	7+	22-06-13	23-06-13		Y	Y	Y		176
113	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	189
114	WAZIR-N	MIR ALI	FT/64/13/042	M	7	03-07-13	0	29-08-13	30-08-13	EV	Y	N	Y		120
115	WAZIR-S	WANA	FT/65/13/006	F	26	13-07-13	7+	15-08-13	16-08-13	NVI	Y	Y	Y		110

€ Based on recall of parents

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