



**World Health
Organization**

Weekly AFP Surveillance Update Pakistan

Week 28 (*Ended on 12th July, 2014*)

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Federal EPI***

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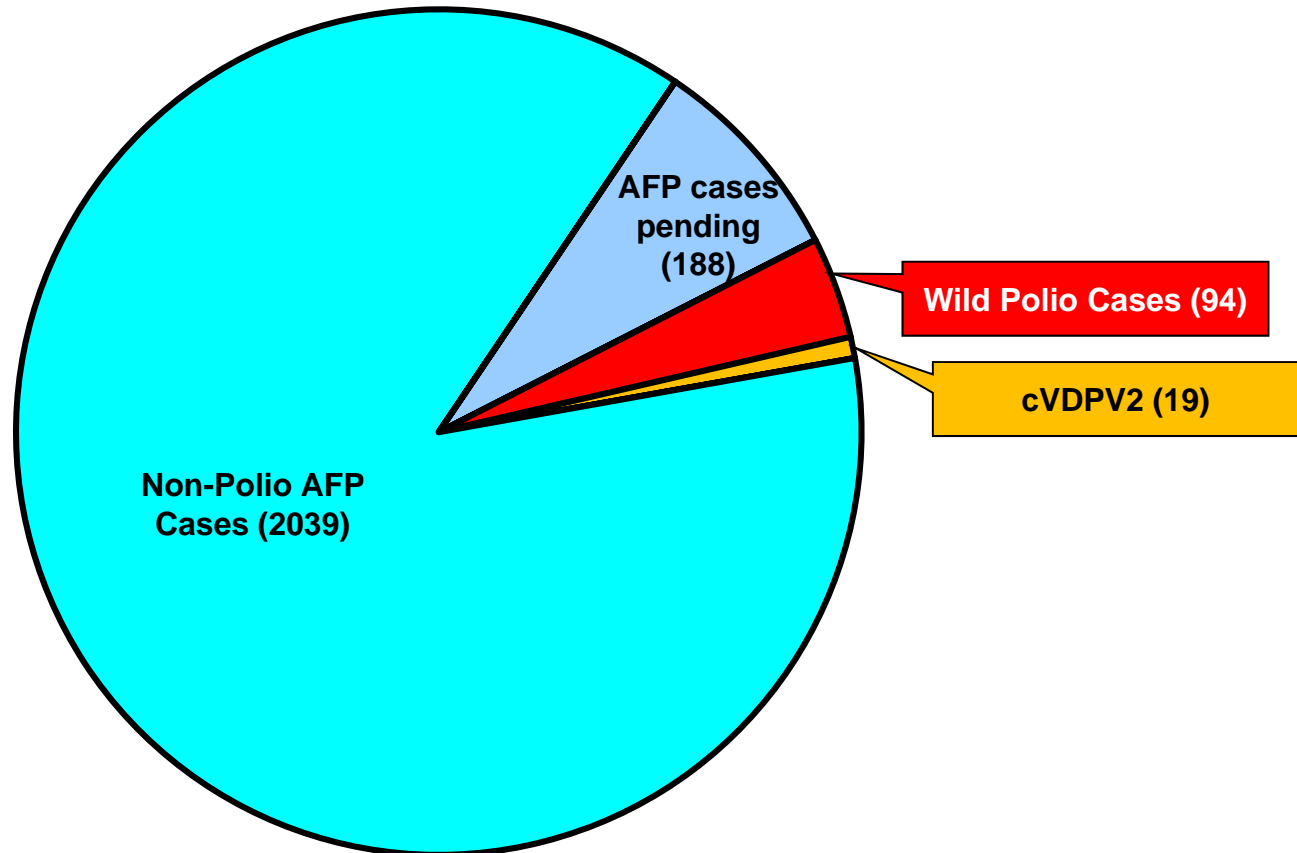
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AFP Surveillance



AFP Case Profile, 2014*



Total AFP Cases Reported = 2340

[^]46 Inadequate cases pending classification by ERC;
[^]73 Inadequate cases not due for FUP
[^]69 Pending in the Lab

* Afp.rec Data as of 10-07-2014

Point in Time Comparison of polio cases by province/region 2013 & 2014*

Region/ Province	No. of polio cases		No. of infected districts/towns		Last polio case
	2013	2014	2013	2014	
Khyber Pakhtunkhwa	5	16	4	3	24-June -14
FATA / FR Areas	14	70	3	4	24-June -14
Sindh	3	8	3	6	24-June-14
Balochistan	0	0	0	0	02-Oct-12
Punjab	2	0	2	0	12-Dec-13
Pakistan	24	94	12	13	24-Jun-14

Six additional districts/town declared infected based on environmental samples in 2014

* Afp.rec Data as of 10-07-2014

Table 1: List of Confirmed Polio Cases, Pakistan 2014* (1/5)

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	W/PV TYPE	GENETICS
								Route	SIA's						Cluster
1	FATA	WAZIR-N\$	MIR ALI	FT/64/14/006	F	19	03-Jan-14	0	0	Y	Y	Y	N	NSL1	R4B
2	FATA	WAZIR-N\$	MIR ALI	FT/64/14/003	M	14	03-Jan-14	0	0	Y	Y	Y	N	NSL1	R4B
3	FATA	WAZIR-N\$	MIR ALI	FT/64/14/007	F	8	04-Jan-14	0	0	Y	Y	Y	N	NSL1	R4B
4	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/004	F	13	04-Jan-14	0	0	Y	Y	Y	N	NSL1	R4B
5	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/005	F	17	05-Jan-14	0	0	Y	Y	Y	N	NSL1	R4B
6	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/011	F	12	10-Jan-14	0	0	Y	Y	Y	N	NSL1	R4B
7	FATA	WAZIR-N\$	MIR ALI	FT/64/14/018	M	12	11-Jan-14	0	0	Y	Y	Y	N	NSL1	R4B
8	FATA	KHYBER\$	BARA	FT/34/14/003	F	13	12-Jan-14	0	0	Y	Y	Y	N	NSL1	R4B
9	FATA	WAZIR-N\$	MIR ALI	FT/64/14/012	M	23	16-Jan-14	0	0	Y	Y	Y	N	NSL1	R4B
10	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/016	M	10	17-Jan-14	0	0	Y	Y	Y	N	NSL1	R4B
11	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/017	M	17	22-Jan-14	0	0	Y	Y	Y	N	NSL1	R4B
12	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/019	F	18	24-Jan-14	0	0	Y	Y	Y	N	NSL1	R4B
13	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/021	M	16	25-Jan-14	0	0	Y	Y	Y	N	NSL1	R4B
14	KPAKHTUNKHWA	BANNU	BANNU	KP/61/14/001	M	39	26-Jan-14	0	4	Y	N	Y	Y	NSL1	R4B
15	FATA	WAZIR-N\$	MIR ALI	FT/64/14/024	M	18	28-Jan-14	0	0	Y	Y	Y	N	NSL1	R4B
16	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/022	F	11	29-Jan-14	0	0	Y	Y	Y	N	NSL1	R4B
17	KPAKHTUNKHWA	PESHAWAR	PESHAWAR	KP/30/14/008	M	6	31-Jan-14	4	4	Y	Y	Y	Y	NSL1	R4B
18	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/028	M	18	05-Feb-14	0	0	Y	Y	Y	N	NSL1	R4B
19	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/032	M	18	08-Feb-14	0	0	Y	Y	Y	N	NSL1	R4B
20	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/027	M	12	08-Feb-14	0	0	Y	Y	Y	N	NSL1	R4B
21	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/034	F	18	09-Feb-14	3	3	Y	Y	Y	N	NSL1	R4B
22	KPAKHTUNKHWA	PESHAWAR	PESHAWAR	KP/30/14/012	M	18	10-Feb-14	1	7+	Y	Y	Y	N	NSL1	R4B

\$ Security compromised area

^Under investigation

* Afp.rec Data as of 10-07-2014

Table 1: List of Confirmed Polio Cases, Pakistan 2014* (2/5)

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	W/PV TYPE	GENETICS
								Route	SIA's						Cluster
23	FATA	WAZIR-N	MIRAN SHAH	FT/64/14/041	F	18	10-Feb-14	0	0	Y	N	Y	N	NSL1	R4B
24	SINDH	KARACHI	BALDIA	SD/61/14/002	F	24	10-Feb-14	0	0	Y	Y	Y	N	NSL1	R4B
25	FATA	WAZIR-S	BIRMAL	FT/65/14/001	F	6	12-Feb-14	0	0	Y	Y	Y	N	NSL1	R4B
26	FATA	WAZIR-N	MIRAN SHAH	FT/64/14/035	M	5	12-Feb-14	0	0	Y	Y	Y	N	NSL1	R4B
27	FATA	WAZIR-N	MIRAN SHAH	FT/64/14/038	M	44	15-Feb-14	0	0	Y	Y	Y	N	NSL1	R4B
28	FATA	FR BANNU	FR BANNU	FT/69/14/009	F	18	15-Feb-14	0	0	Y	Y	Y	N	NSL1	R4B
29	FATA	WAZIR-N	MIRAN SHAH	FT/64/14/037	M	10	16-Feb-14	0	0	Y	Y	Y	N	NSL1	R4B
30	FATA	WAZIR-N\$	MIR ALI	FT/64/14/042	M	17	21-Feb-14	0	0	Y	Y	N	N	NSL1	R4B
31	FATA	WAZIR-N\$	MIR ALI	FT/64/14/047	F	7	21-Feb-14	0	0	Y	Y	Y	N	NSL1	R4B
32	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/040	M	11	22-Feb-14	0	0	Y	Y	Y	N	NSL1	R4B
33	KPAKHTUNKHWA	PESHAWAR	PESHAWAR	KP/30/14/016	M	22	24-Feb-14	3	7	Y	N	Y	N	NSL1	R4B
34	FATA	WAZIR-N\$	MIR ALI	FT/64/14/043	M	16	25-Feb-14	0	0	Y	Y	Y	N	NSL1	R4B
35	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/046	M	84	26-Feb-14	0	0	Y	Y	Y	N	NSL1	R4B
36	KPAKHTUNKHWA	BANNU	BANNU	KP/61/14/007	F	10	02-Mar-14	0	0	Y	Y	Y	Y	NSL1	R4B
37	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/050	M	13	04-Mar-14	0	0	Y	Y	Y	N	NSL1	R4B
38	KPAKHTUNKHWA	BANNU	BANNU	KP/61/14/006	F	16	07-Mar-14	0	2	Y	Y	Y	Y	NSL1	R4B
39	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/051	M	14	07-Mar-14	0	0	Y	Y	Y	N	NSL1	R4B
40	FATA	WAZIR-N\$	MIR ALI	FT/64/14/049	M	5	08-Mar-14	0	0	Y	N	Y	N	NSL1	R4B
41	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/056	M	12	14-Mar-14	0	0	Y	Y	Y	N	NSL1	R4B
42	FATA	WAZIR-S	BIRMAL	FT/65/14/002	F	6	14-Mar-14	0	0	Y	N	Y	N	NSL1	R4B
43	KPAKHTUNKHWA	BANNU	BANNU	KP/61/14/009	F	10	16-Mar-14	0	2	Y	N	Y	Y	NSL1	R4B
44	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/059	M	11	19-Mar-14	0	0	Y	Y	Y	N	NSL1	R4B

\$ Security compromised area

^Under investigation

* Afp.rec Data as of 10-07-2014

Table 1: List of Confirmed Polio Cases, Pakistan 2014* (3/5)

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	W/PV TYPE	GENETICS
								Route	SIA's						Cluster
45	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/057	F	34	20-Mar-14	0	0	Y	N	Y	N	NSL1	R4B
46	FATA	WAZIR-S	BIRMAL	FT/65/14/005	F	9	22-Mar-14	0	0	Y	Y	Y	N	NSL1	R4B
47	SINDH	KHIGADAP	GADAP	SD/63/14/006	F	11	26-Mar-14	0	0	Y	Y	Y	Y	NSL1	R4B
48	KPAKHTUNKHWA	PESHAWAR	PESHAWAR	KP/30/14/032	F	6	27-Mar-14	0	7+	Y	Y	Y	N	NSL1	R4B
49	SINDH	KARACHI	ORANGI	SD/75/14/005	F	22	30-Mar-14	3	7+	Y	Y	Y	N	NSL1	R4B
50	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/064	F	18	02-Apr-14	0	0	Y	Y	Y	N	NSL1	R4B
51	SINDH	KHIGADAP	GADAP	SD/63/14/008	M	7	02-Apr-14	0	1	Y	N	Y	N	NSL1	R4B
52	FATA	WAZIR-S	WANA	FT/65/14/006	F	15	03-Apr-14	0	0	Y	Y	Y	N	NSL1	R4B
53	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/066	F	18	04-Apr-14	0	0	Y	N	Y	N	NSL1	R4B
54	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/067	F	48	06-Apr-14	0	0	Y	Y	Y	N	NSL1	R4B
55	SINDH	KHIGADAP	GADAP	SD/63/14/010	F	18	08-Apr-14	3	7+	Y	N	Y	Y	NSL1	R4B
56	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/068	F	78	09-Apr-14	0	0	Y	Y	Y	Y	NSL1	R4B
57	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/070	F	11	10-Apr-14	0	0	Y	Y	Y	N	NSL1	R4B
58	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/072	M	14	11-Apr-14	0	0	Y	Y	Y	N	NSL1	R4B
59	KPAKHTUNKHWA	BANNU	BANNU	KP/61/14/012	M	10	19-Apr-14	0	0	Y	Y	Y	N	NSL1	R4B
60	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/073	M	14	20-Apr-14	0	0	Y	Y	Y	N	NSL1	R4B
61	FATA	WAZIR-S	WANA	FT/65/14/007	F	22	20-Apr-14	0	0	Y	Y	Y	N	NSL1	R4B
62	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/077	M	14	24-Apr-14	0	0	Y	Y	Y	N	NSL1	R4B
63	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/079	M	22	27-Apr-14	0	0	Y	Y	Y	N	NSL1	R4B
64	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/081	F	6	28-Apr-14	0	0	Y	Y	Y	N	NSL1	R4B
65	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/083	M	23	29-Apr-14	0	0	Y	Y	Y	N	NSL1	R4B
66	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/082	F	6	30-Apr-14	0	0	Y	Y	Y	N	NSL1	R4B

\$ Security compromised area

^Under investigation

* Afp.rec Data as of 10-07-2014

Table 1: List of Confirmed Polio Cases, Pakistan 2014* (5/5)

S.NO.	PROVINCE/ REGION	DISTRICT	TEHSIL	EPID NO.	SEX	AGE (m)	DATE ONSET OF PARALYSIS	NO. OPV DOSES (based on parents recall)		FEVER	Asymetric Paralysis	Rapid Progression	REFUSAL	WPV TYPE	GENETICS
								Route	SIA's						Cluster
67	FATA	KHYBER\$	BARA	FT/34/14/010	M	27	01-May-14	0	0	Y	Y	Y	N	NSL1	R4B
68	FATA	FR BANNU	FR BANNU	FT/69/14/018	F	7	02-May-14	0	0	Y	Y	Y	N	NSL1	R4B
69	SINDH	KHISITE	SITE	SD/78/14/002	F	30	04-Apr-14	0	0	Y	Y	Y	Y	NSL1	R4B
70	KPAKHTUNKHWA	BANNU	BANNU	KP/61/14/019	F	18	04-May-14	0	4	Y	Y	Y	Y	NSL1	R4B
71	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/084	F	22	07-May-14	0	0	Y	Y	Y	N	NSL1	R4B
72	KPAKHTUNKHWA	BANNU	BANNU	KP/61/14/012	F	42	10-May-14	0	4	Y	Y	Y	N	NSL1	R4B
73	FATA	WAZIR-N\$	MIR ALI	FT/64/14/092	M	10	15-May-14	0	0	Y	Y	Y	N	NSL1	R4B
74	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/090	M	23	17-May-14	0	0	Y	Y	Y	N	NSL1	R4B
75	KPAKHTUNKHWA	BANNU	BANNU	KP/61/14/017	M	18	19-May-14	0	0	Y	Y	Y	N	NSL1	R4B
76	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/089	M	30	17-May-14	0	0	Y	Y	Y	N	NSL1	R4B
77	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/091	M	8	17-May-14	0	0	Y	N	N	N	NSL1	R4B
78	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/094	F	36	21-May-14	0	0	Y	N	N	N	NSL1	R4B
79	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/098	F	34	26-May-14	0	0	Y	N	Y	N	NSL1	R4B
80	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/100	F	4	30-May-14	2	2	Y	N	Y	N	NSL1	R4B
81	FATA	KHYBER\$	BARA	FT/34/14/014	M	18	27-May-14	0	0	Y	Y	Y	N	NSL1	R4B
82	FATA	KHYBER\$	JAMRUD	FT/34/14/016	M	11	04-June-14	0	0	Y	Y	Y	N	NSL1	R4B
83	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/101	M	5	28-May-14	0	0	Y	Y	N	N	NSL1	R4B
84	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/104	M	28	03-June-14	0	1	Y	Y	Y	N	NSL1	R4B
85	SINDH	KHILANDI	LANDHI	SD/69/14/008	M	12	06-June-14	0	0	Y	Y	Y	Y	NSL1	R4B
86	KPAKHTUNKHWA	PESHAWAR	PESHAWAR	KP/30/14/062	F	4	12-June-14	0	0	Y	Y	Y	Y	NSL1	R4B

\$ Security compromised area

^Under investigation

* Afp.rec Data as of 10-07-2014

Table 1: List of Confirmed Polio Cases, Pakistan 2014* (4/5)

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
87	KPAKHTUNKHWA	MARDAN	MARDAN	KP/40/14/046	M	4	15-June-14	0	0	Y	Y	Y	Y	NSL1	R4B
88	KPAKHTUNKHWA	BANNU	BANNU	KP/61/14/022	M	10	16-June-14	0	1	Y	Y	Y	N	NSL1	R4B
89	FATA	KHYBER\$	BARA	FT/34/14/021	F	12	09-June-14	0	3	Y	Y	Y	N	NSL1	R4B
90	FATA	KHYBER\$	BARA	FT/34/14/019	F	60	16-June-14	0	0	Y	Y	Y	N	NSL1	
91	FATA	KHYBER\$	BARA	FT/34/14/024	M	18	24-June-14	0	0	Y	Y	Y	N	NSL1	R4B
92	FATA	KHYBER\$	BARA	FT/34/14/023	F	14	23-June-14	0	0	Y	Y	Y	N	NSL1	
93	KPAKHTUNKHWA	PESHAWAR	PESHAWAR	KP/30/14/066	F	6	24-June-14	1	0	Y	Y	Y	Y	NSL1	R4B
94	SINDH	SANGHAR	SANGHAR	SD/32/14/014	M	21	24-June-14	3	7	Y	Y	Y	N	NSL1	R4B

\$ Security compromised area

New Case

^Under investigation

* Afp.rec Data as of 10-07-2014

Table 2: LAB Update 2014*

Month of Onset	AFP Cases	No virus isolated	Cases Under Process		Isolated Viruses from stools						
			Culture	ITD	Vaccine viruses		NPEV		Wild	Results within 14 days	
	n	n	n	n	n	%	n	%	n	n	%
January	383	267	0	0	25	7	69	18%	17	366	96%
February	368	271	0	0	35	10	42	11%	18	350	95%
March	391	267	0	0	41	10	68	17%	14	378	97%
April	419	277	0	0	12	3	109	26%	17	402	96%
May	503	312	1	0	20	4	148	29%	16	486	97%
June	394	243	68	0	8	2	63	16%	12	314	80%
July	39	0	39	0	0	0	0	0%	0	0	0%
Pakistan	2497	1637	108	0	134	5	499	20%	94	2289	92%

* Data as of 14-07-2014

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

Basic information										OPV doses			Urgent		Prov	Lab update			Remarks	
S. #	District	Tehsil	Union council	Epid number	Date of Onset	Age (M)	Sex	Date of 1st stool	Stool Adeq	Ri	S/As	Last 6 S/As	Last dose	By Field	By NSCY	Diagnosis	Lab No.	Days Incubation		Culture update
Isolates pending for ITSD																				
1	SIBI *	SIBI	MALL	BN/31/14/006	25-Jun-14	18	M	03-Jul-14	Y	3	6	6	24-Jun-14	N		GBS	3140		L20B+	
2	ZHOB	ZHOB	HASSANZAI	BN/21/14/N002		24	M	19-Jun-14	-	0	3	3	28-May-14	-	-		3014	4	P2	Discordant U
3	WAZIR-N *	#	#	FT/64/14/107-C1		16	F	02-Jul-14	-	-	-	-	01-Jul-14	-	-		1757	5	L20B+	Cross notified from Afg
4	WAZIR-N *	#	#	FT/64/14/107-C2		48	M	02-Jul-14	-	-	-	-	01-Jul-14	-	-		1758	5	L20B+	Cross notified from Afg
5	WAZIR-N *	#	#	FT/64/14/107-C3		78	M	02-Jul-14	-	-	-	-	01-Jul-14	-	-		1759	5	L20B+	Cross notified from Afg
6	WAZIR-N	#	#	FT/64/14/109	20-Jun-14	24	M	27-Jun-14	Y	#	#	#		N		REPORTED FROM AFGHANISTAN (HOST)	3089	5	P1	Discordant U
7	WAZIR-N	MIRAN SHAH	DATA KHEL	FT/64/14/800	24-Jun-14	18	F	03-Jul-14	Y	#	#	#		Y	#	*	3120	3	L20B+	
8	WAZIR-S *	WANA	DAB KOT	FT/65/14/012	28-Jun-14	18	M	03-Jul-14	Y	0	0	0		Y	Y	FOLD	3125		L20B+	
9	DIAMIR	DAREL/TAN	GUMARI	GB/31/14/002	20-Jun-14	15	M	27-Jun-14	Y	0	2			N	Y	HYPOGALACTEMIA	3047	5	L20B+	REFUSAL
10	LAKKIMRWT *	LAKKIMRWT	SULEMAN KHEL	KP/62/14/021	24-Jun-14	24	F	04-Jul-14	Y	0	1	1	15-Jun-14	Y	Y	TRAUMATIC NEW RPTG / FOLD	3145		L20B+	
11	MANSEHRA	UGHI	SHERGARH	KP/14/14/024	16-Jun-14	3	F	26-Jun-14	Y	2	2	-		N	N	ENC-EPALPG	3046	7	L20B+	
12	DGKHAN	#	#	PB/81/14/074	29-Jun-14	22	M	03-Jul-14		#	#	#	13-Jun-14	N		*	3122	4	L20B+	
13	RAJANPUR *	#	#	PB/82/14/055	26-Jun-14	18	M	05-Jul-14		#	#	#	26-Jun-14	N		*	3172		L20B+	
14	HYDERABAD	LATIFABAD	6	SD/21/14/019	25-Jun-14	24	F	28-Jun-14	Y	3	7+	6	23-Jun-14	N		TRANSIT UP PARALYSIS/TV	3071	5	L20B+	
15	KHIGADAP	GADAP	8	SD/63/14/022	21-Jun-14	21	M	28-Jun-14	Y	0	5	1	12-May-14	Y	Y	FOLD / TRAUMATIC NEW RPTG	3104	2	P1	Discordant U
Reported urgent (by field / NSCY criteria)																				
16	WAZIR-N	MIRAN SHAH	DATA KHEL	FT/64/14/0800	24-Jun-14	18	F	03-Jul-14	Y	0	0	0		Y	Y	FOLD	3120	8	UP	
17	KHIBALDIA	BALDIA	ONE	SD/61/14/006	25-Jun-14	6	F	28-Jun-14	Y	0	1	1	25-Jun-14	Y	y	GBS	3087	10	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 UPending for genomic sequencing

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

S. #	Basic information									OPV doses				Urgent		Prov	Lab update			Remarks
	District	Tehsil	Union council	Epid number	Date of Onset	Age (M)	Sex	Date of 1st stool	Stool Adeq	RI	SAs	Last 6 SAs	Last dose	By Field	By NSCF	Diagnosis	Lab No.	Days Inoc	Culture update	
18	UMERKOT	UMER KOT	GARIBABAD	SD/34/14/019	25-Jun-14	12	F	30-Jun-14	Y	0	6	6	25-Mar-14	N	Y	ENCEPHALITIS	3086	10	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

U Pending for genomic sequencing

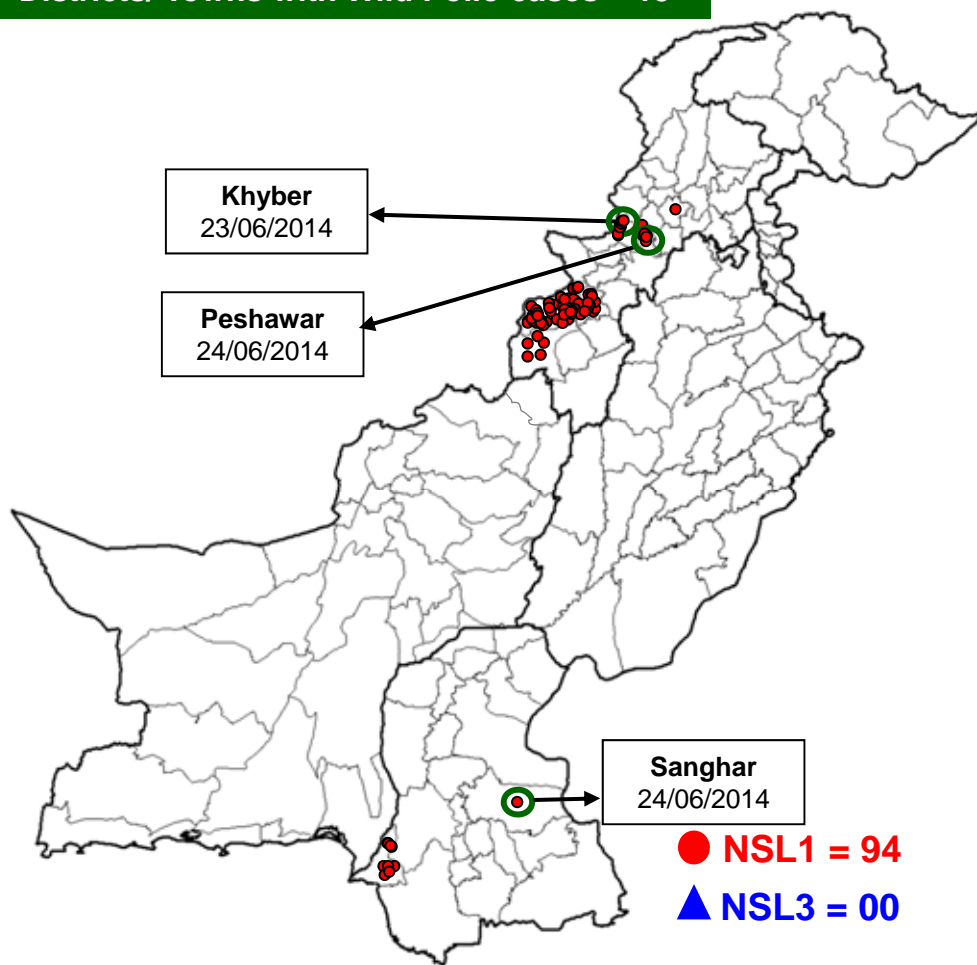
Comparison environmental sampling results 2013-14

DISTRICT	2013			2014			Last
	TOTAL	WILD		TOTAL	WILD		
	n	n	%	n	n	%	
LAHORE	34	0	0%	30	9	30%	12-Jun-14
MULTAN	19	0	0%	17	0	0%	09-Dec-13
RAWALPINDI	6	1	17%	10	2	20%	21-May-14
FAISALABAD	20	1	5%	18	0	0%	03-Jan-13
KHIGIQBAL	13	0	0%	11	9	82%	20-May-14
KHIGADAP	18	5	28%	18	9	50%	15-May-14
KHIBALDIA	13	0	0%	12	6	50%	08-May-14
SUKKUR	13	0	0%	12	2	17%	05-Jun-14
HYDERABAD	7	6	86%	6	3	50%	06-Jun-14
JACOBABAD	0	0		0	0		-
PESHAWAR	13	10	77%	17	9	53%	24-Jun-14
QUETTA	18	1	6%	17	5	29%	20-Jun-14
ISLAMABAD	0	0	-	4	0	0%	-
PAKISTAN	174	24	14%	172	54	31%	24-Jun-14

Data source Polio RRL

Map1: Distribution of Wild Polio cases Pakistan 2014*

Districts/ Towns with Wild Polio cases = 13



Province/ Country	Date of Last Case		Number of cases 2013	
	P1	P3	P1	P3
PUNJAB	Dec, 2013	Jun, 2010	-	-
SINDH	June, 2014	Jan, 2010	8	-
KHYBER- PAKHTUNKHWA	June, 2014	Oct, 2010	16	-
FATA	June, 2014	Apr, 2012	70	-
BALUCHISTAN	Oct, 2012	Apr, 2010	-	-
AJK	June, 2000	Jun, 2000	-	-
GILGIT-BALTISTAN	Aug, 2012	-	-	-
ISLAMABAD	Sep, 2008	Sep, 2008	-	-
PAKISTAN	June, 2014	Apr, 2012	94	-

○ District with last polio case in province

Cases randomly placed
in districts

— Provincial Boundary
— Districts Boundary

* Afp.rec Data as of 10-07-2014

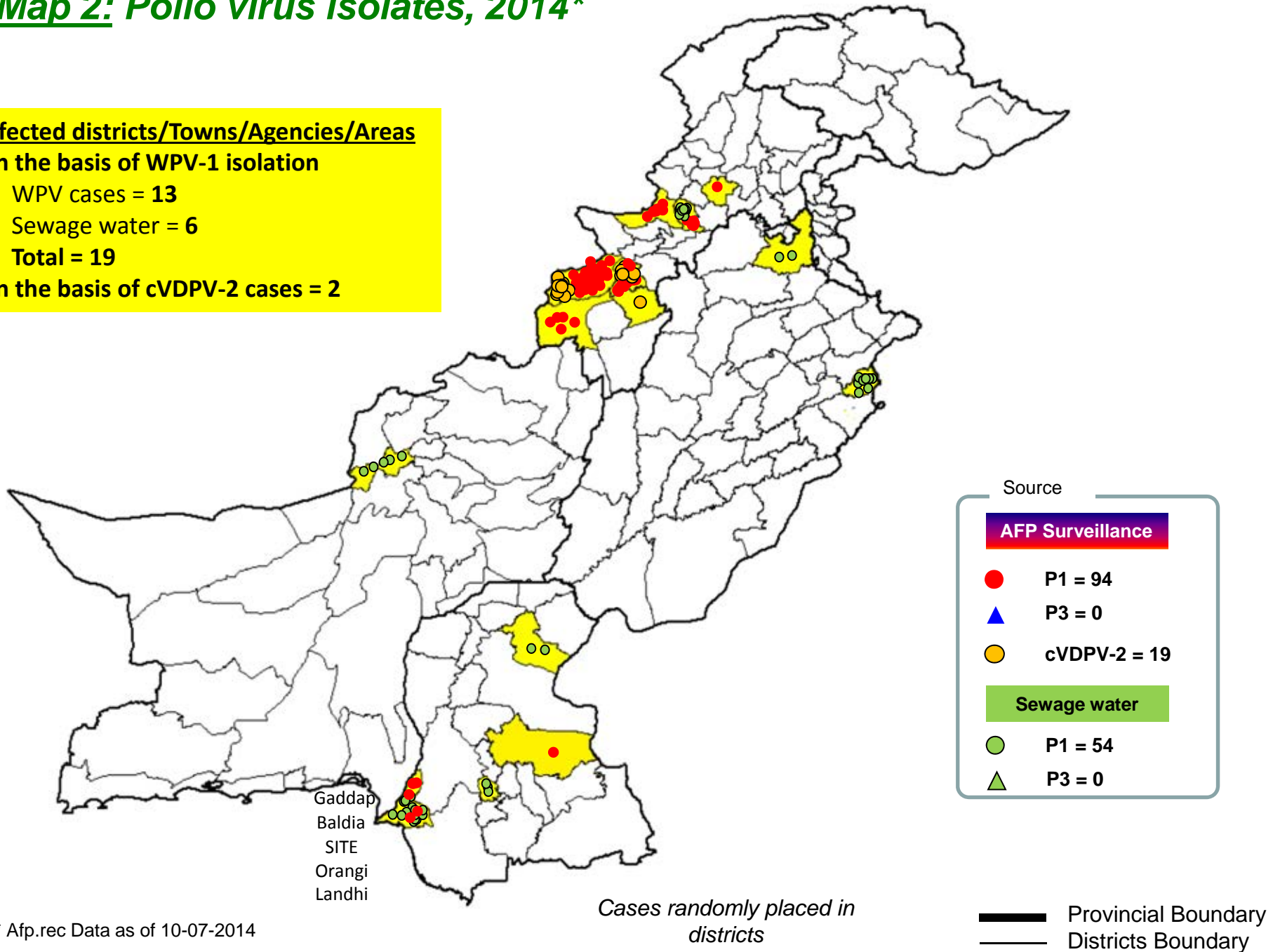
Map 2: Polio virus isolates, 2014*

Infected districts/Towns/Agencies/Areas

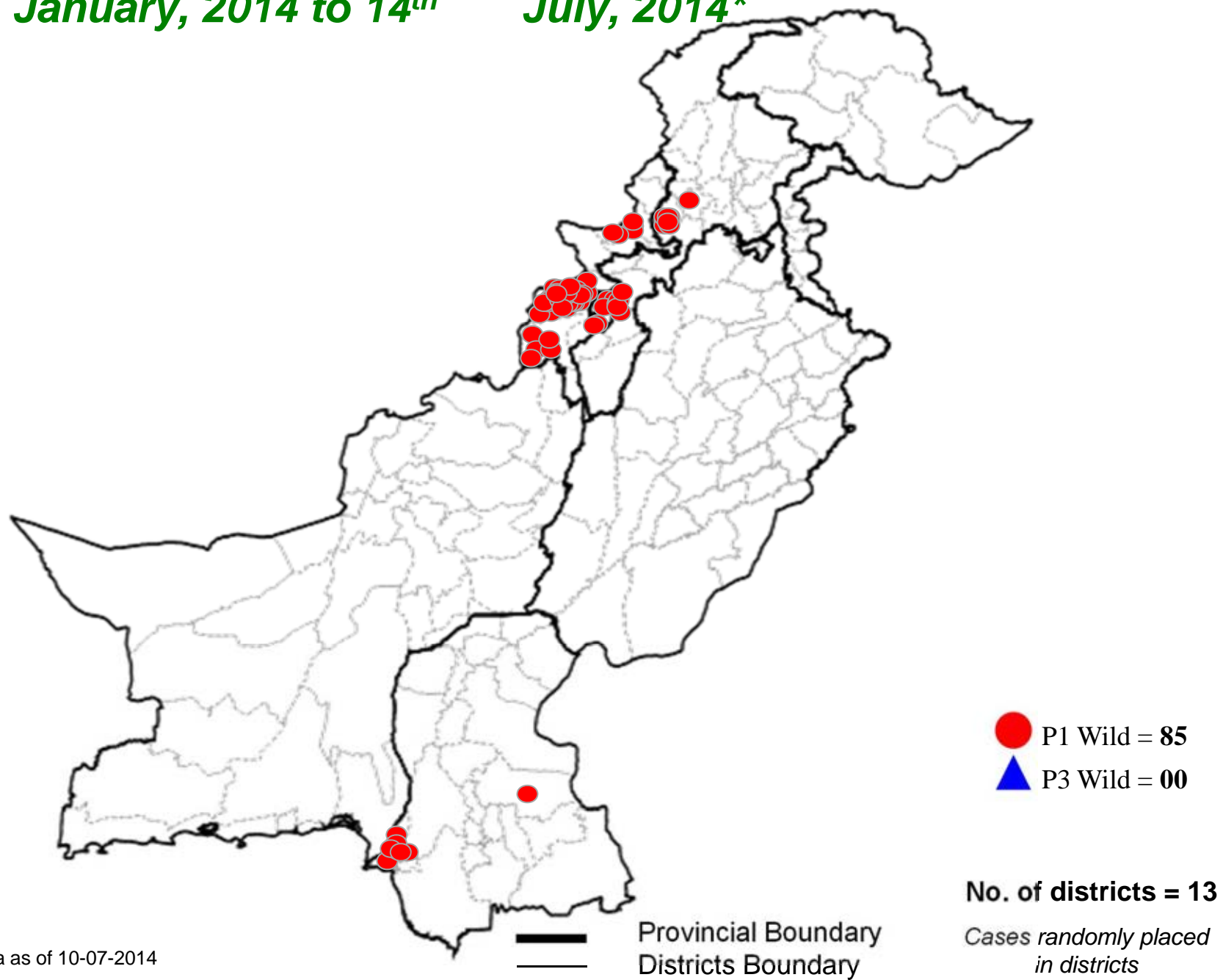
On the basis of WPV-1 isolation

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

On the basis of cVDPV-2 cases = 2



Map 3: Wild Polio cases in the last 6 months from
15th January, 2014 to 14th July, 2014*



* Afp.rec Data as of 10-07-2014

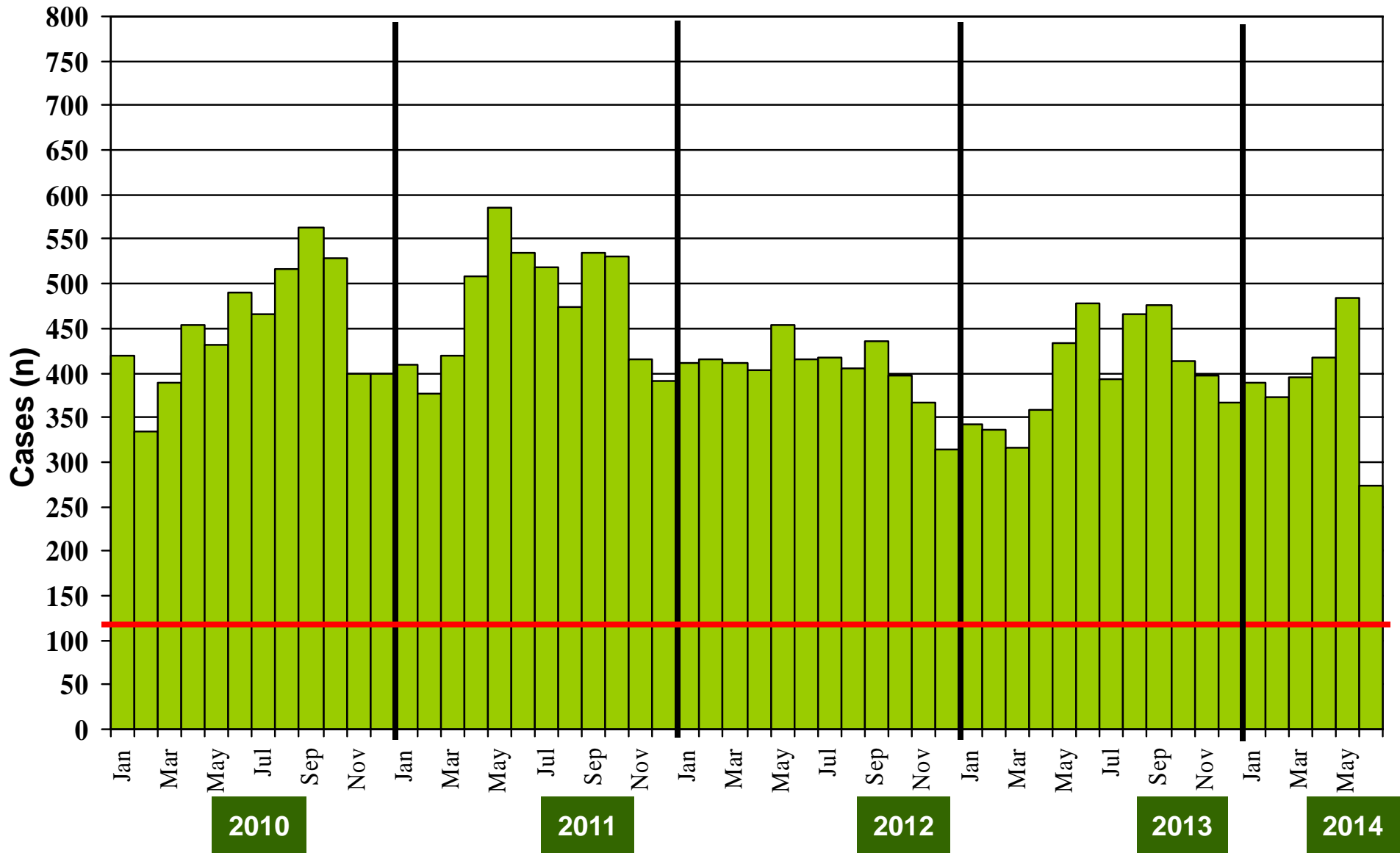
**Table 4: Distribution of AFP Cases By Week of Onset ^
Pakistan 2013-14* [Week number/Ending on]**

PROVINCE	W 13 29 Mar 2014	W 14 05 Apr 2014	W 15 12 Apr 2014	W 16 19 Apr 2014	W 17 26 Apr 2014	W 18 03 May 2014	W 19 10 May 2014	W 20 17 May 2014	W 21 24 May 2014	W 22 31 May 2014	W 23 07 June 2014	W 24 14 June 2014	W 25 21 June 2014	W 26 28 June 2014	W 27 05 July 2014
PUNJAB	40	36	32	61	55	54	66	58	58	59	54	61	42	17	0
SINDH	27	25	24	21	19	22	17	29	15	10	18	19	15	5	1
KP	17	16	15	24	24	23	15	14	24	19	18	10	17	7	0
FATA	7	6	8	5	8	9	8	11	6	9	6	4	1	0	0
BALUCHISTAN	4	1	1	1	6	5	6	2	6	2	5	4	3	2	0
AJK	0	0	0	0	0	0	0	1	2	2	0	1	1	1	0
GILGIT BILTISTAN	0	0	0	2	0	0	0	0	1	1	0	0	1	0	0
ISLAMABAD	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0
PAKISTAN	95	84	80	114	113	113	112	115	113	102	101	99	80	32	1

* Afp.rec & Afplab.rec: Data as of 10-07-2014

^ MMWR Epidemiological Weeks

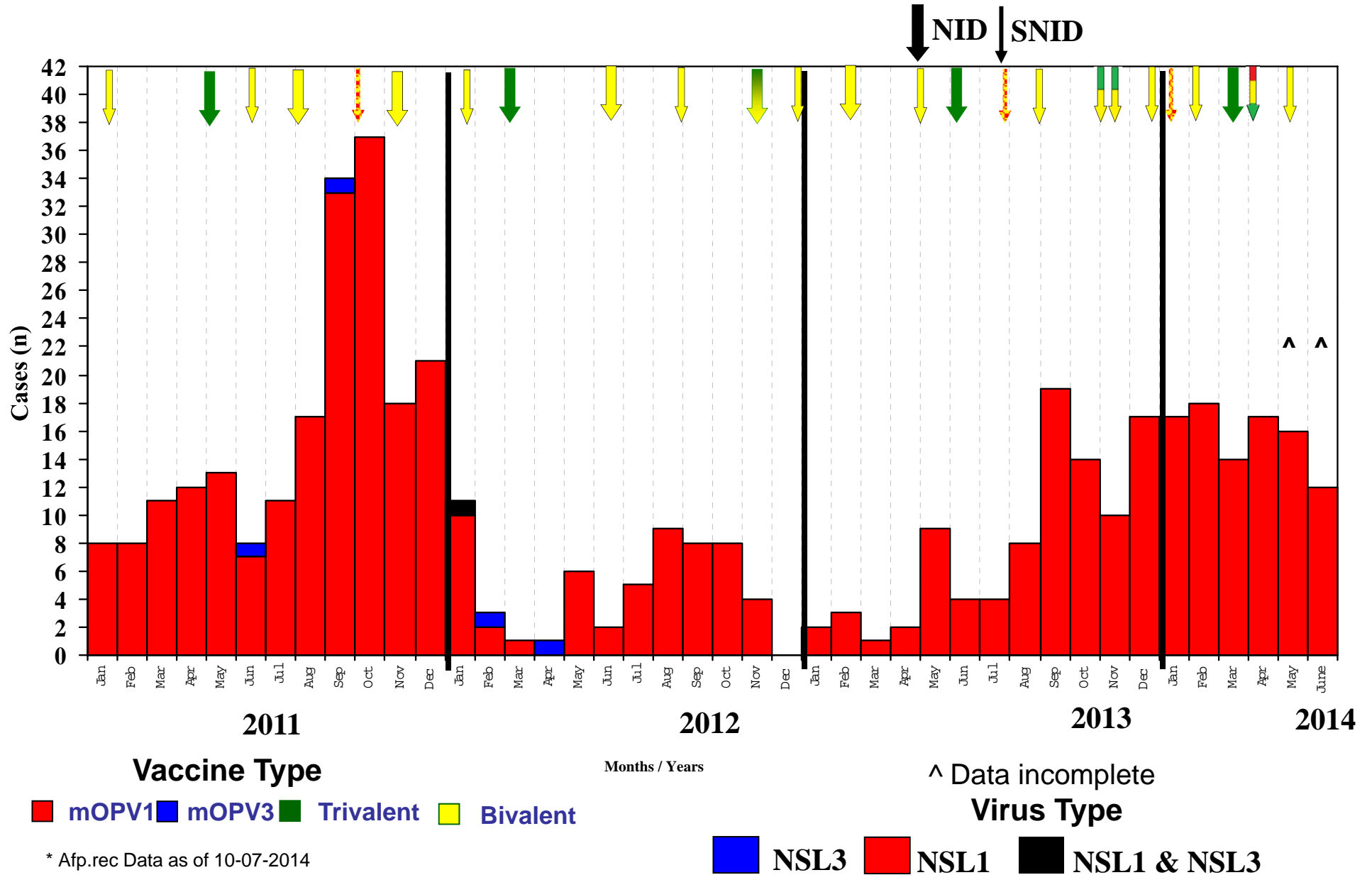
Graph 1: Distribution of AFP Cases by Month, Pakistan 2010-2014*



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

* Afp.rec Data as of 10-07-2014

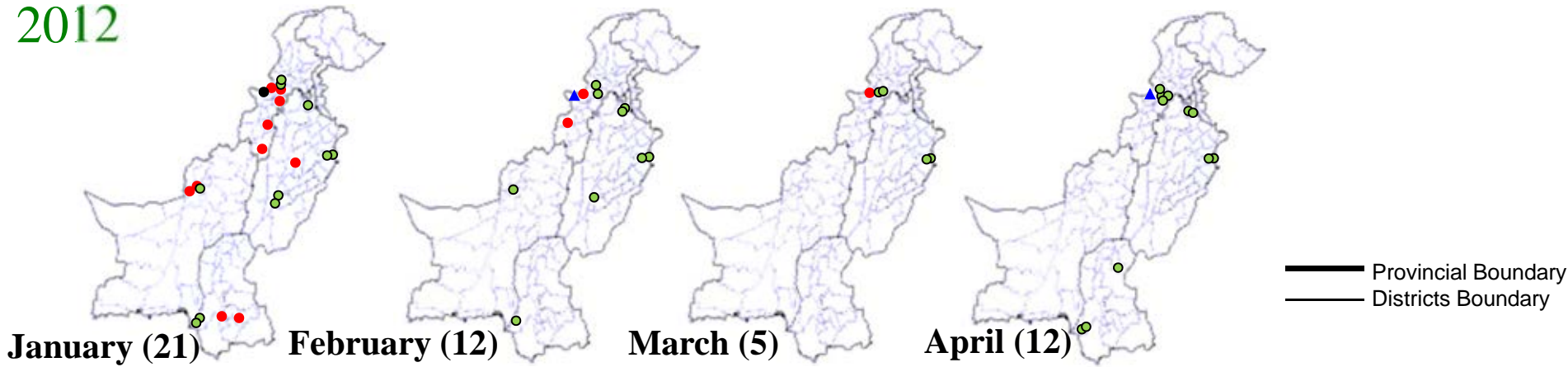
Confirmed Polio Cases By Poliovirus Type, 2011-2014*



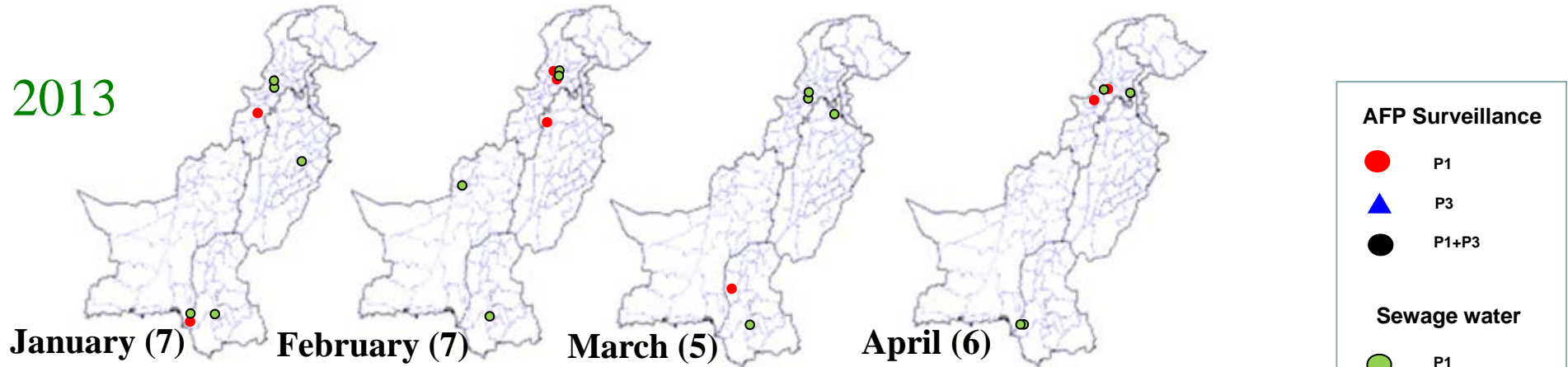
* Afp.rec Data as of 10-07-2014

Map 4: Monthly Comparison of P1 & P3 Polio Cases/Isolates 2012-2014*

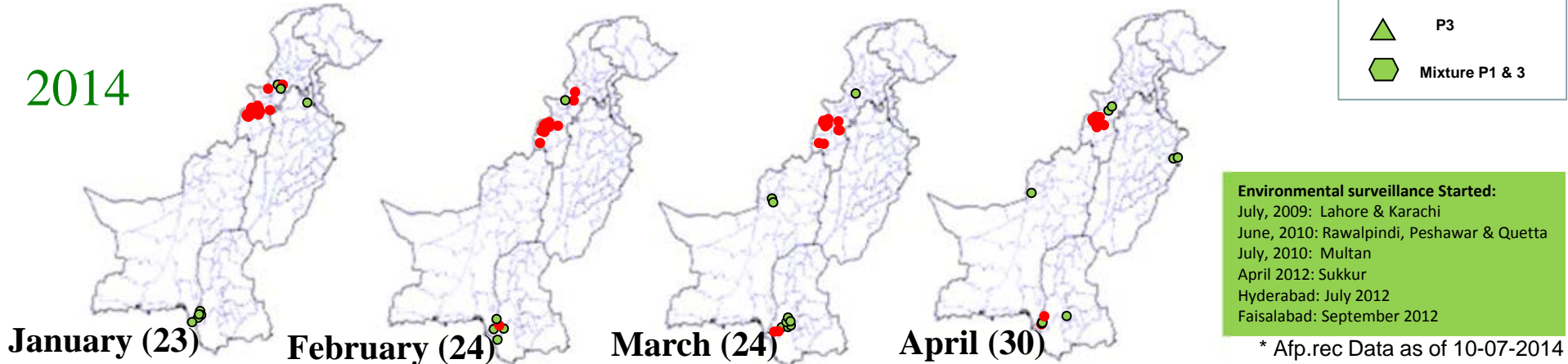
2012



2013



2014



AFP Surveillance

- P1
- ▲ P3
- P1+P3

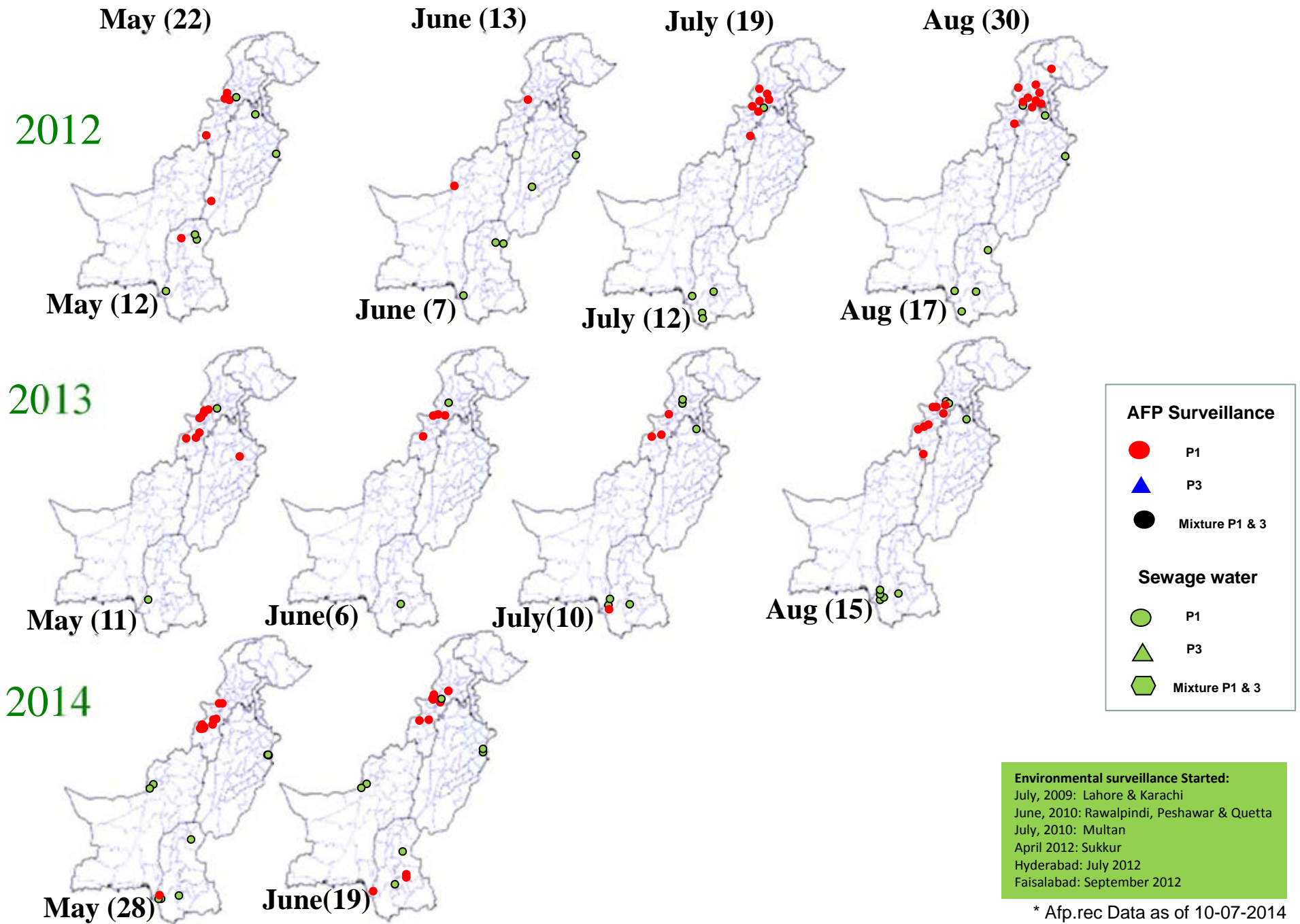
Sewage water

- P1
- ▲ P3
- ◈ Mixture P1 & 3

Environmental surveillance Started:
 July, 2009: Lahore & Karachi
 June, 2010: Rawalpindi, Peshawar & Quetta
 July, 2010: Multan
 April 2012: Sukkur
 Hyderabad: July 2012
 Faisalabad: September 2012

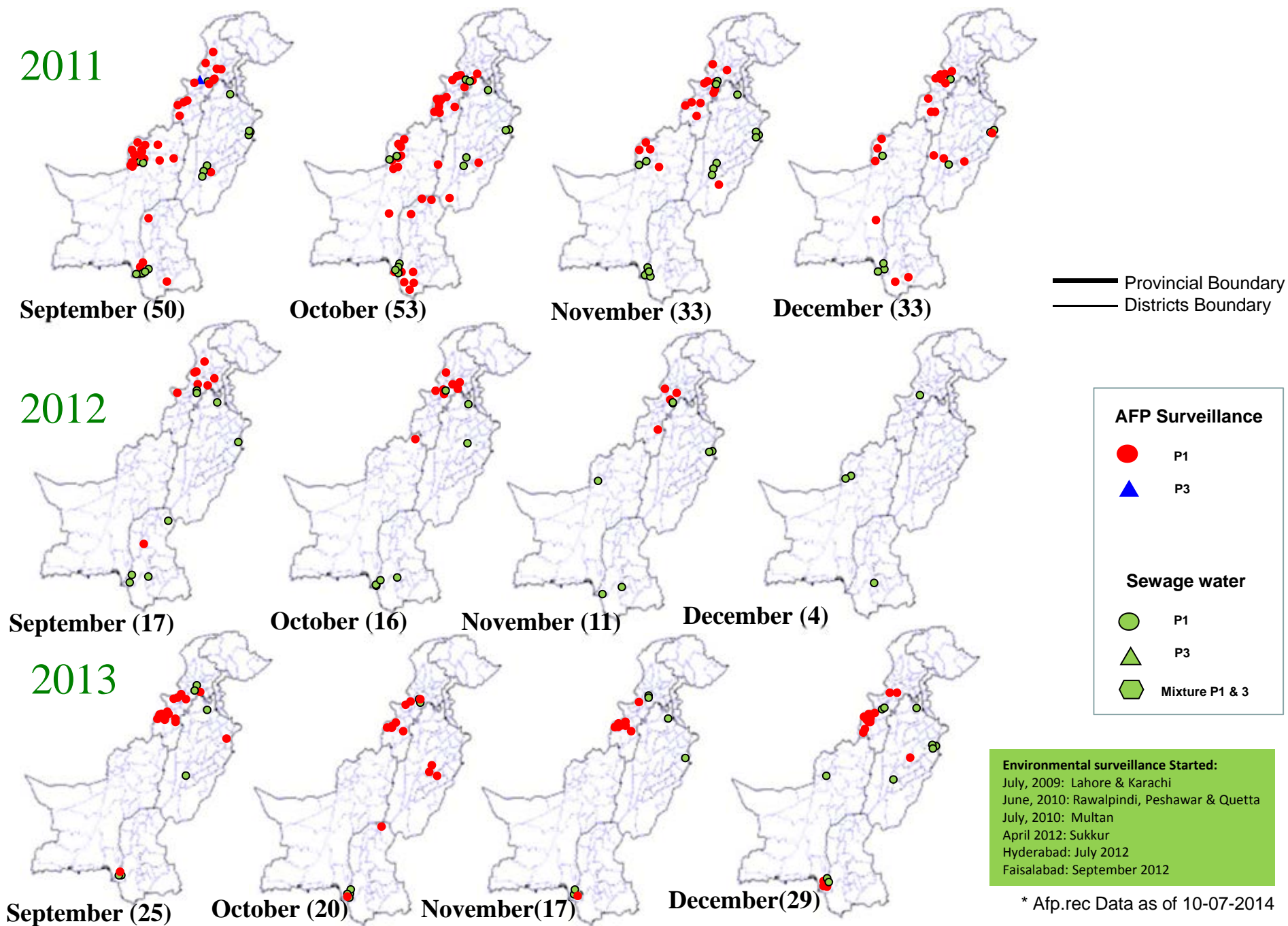
* Afp.rec Data as of 10-07-2014

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



* Afp.rec Data as of 10-07-2014

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

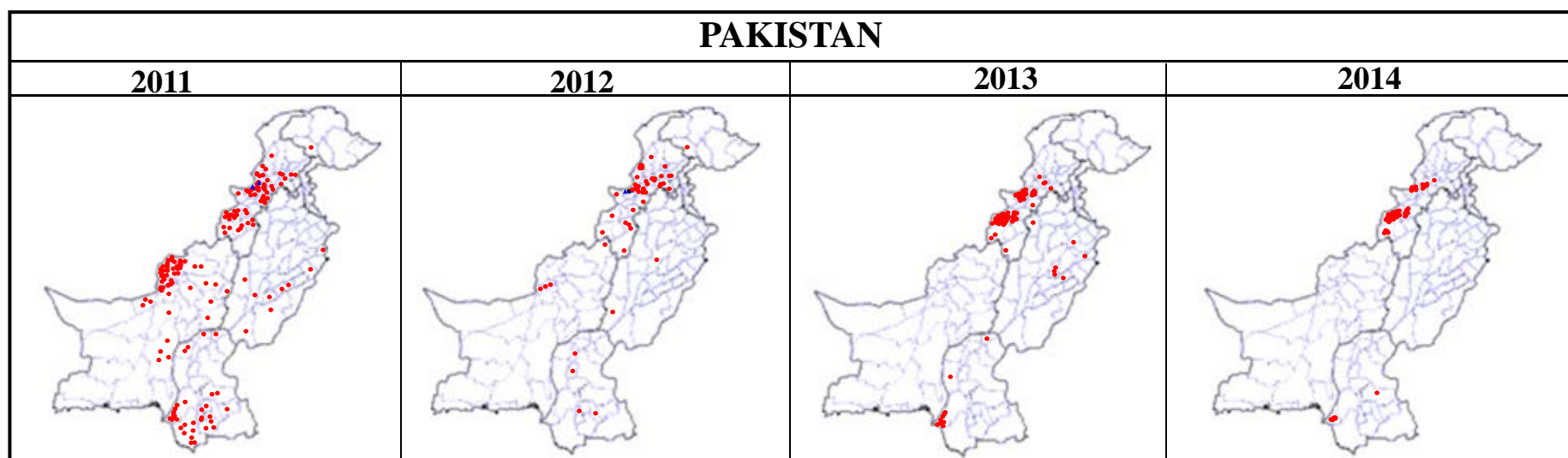


* Afp.rec Data as of 10-07-2014

Table 5: Polio Eradication Update, Pakistan 2011-2014*

Province/Region	Polio 1				Polio 3				Total Wild			
	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014
PUNJAB	9	2	7	-	0	-	-	-	9	2	7	-
SINDH	33	4	10	8	0	-	-	-	33	4	10	7
KP	23	27	11	16	0	-	-	-	23	27	11	16
FATA^	57	17	65	70	2	2	-	-	59	20^	65	70
BALUCHISTAN	73	4	-	-	0	-	-	-	73	4	-	-
AJK	0	-	-	-	0	-	-	-	0	-	-	-
Gilgit-Baltistan	1	1	-	-	0	-	-	-	1	1	-	-
ISLAMABAD	0	-	-	-	0	-	-	-	0	-	-	-
PAKISTAN	196	55	93	94	2	2	-	-	198	58	93	94

^ FATA reported mixture of NSL1 & NSL3



* Afp.rec Data as of 10-07-2014

Table 6: Vaccination status of non polio AFP cases age 6-59 months 2011-2014*

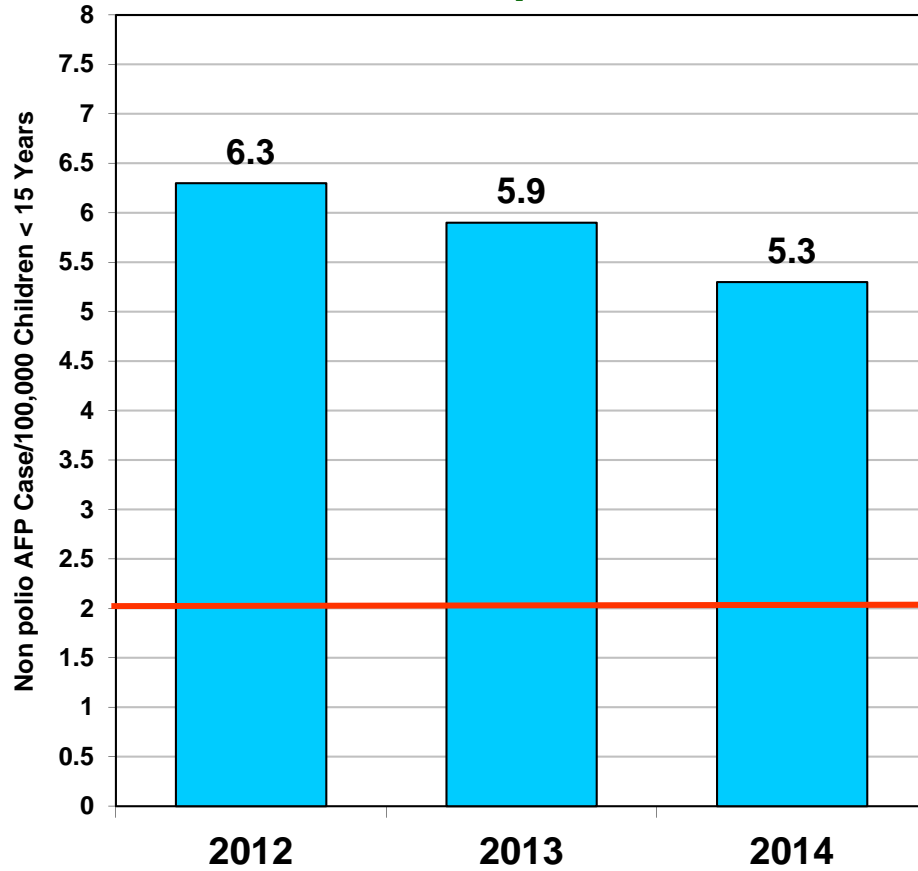
REGION	0 dose				1-2 doses				3 doses				4-6 doses				7+ doses			
	11	12	13	14	11	12	13	14	11	12	13	14	11	12	13	14	11	12	13	14
Central Punjab	0%	0%	0%	0%	1%	0%	0%	0%	2%	0%	1%	2%	6%	4%	7%	4%	92%	95%	91%	95%
North Punjab	0%	0%	0%	0%	1%	0%	0%	1%	1%	0%	0%	1%	5%	4%	4%	4%	93%	96%	96%	94%
South Punjab	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	5%	4%	5%	1%	93%	96%	94%	98%
PUNJAB	0%	0%	0%	0%	1%	0%	0%	0%	1%	0%	0%	1%	5%	4%	6%	3%	93%	96%	93%	96%
Karachi	4%	1%	1%	8%	1%	1%	5%	3%	0%	2%	0%	3%	6%	6%	6%	2%	86%	90%	88%	83%
North Sindh	0%	0%	0%	0%	1%	0%	0%	0%	0%	1%	0%	0%	5%	4%	5%	5%	94%	94%	95%	95%
South Sindh	1%	0%	0%	0%	1%	1%	0%	1%	0%	2%	1%	0%	6%	4%	7%	7%	96%	93%	91%	92%
SINDH	1%	0%	0%	1%	1%	1%	1%	1%	0%	1%	0%	1%	6%	4%	5%	5%	92%	93%	92%	92%
Central Khyber Pakhtunkhwa	1%	2%	2%	1%	1%	1%	1%	2%	0%	0%	1%	1%	3%	2%	2%	4%	95%	95%	95%	91%
North Khyber Pakhtunkhwa	1%	2%	1%	3%	2%	2%	1%	1%	1%	2%	1%	2%	7%	9%	7%	8%	90%	85%	91%	86%
South Khyber Pakhtunkhwa	2%	2%	1%	0%	4%	1%	0%	2%	4%	1%	1%	0%	7%	9%	4%	3%	83%	87%	95%	95%
Khyber Pakhtunkhwa	1%	2%	1%	1%	2%	1%	0%	2%	1%	1%	1%	1%	5%	6%	4%	5%	91%	89%	94%	90%
FATA	14%	18%	39%	52%	10%	6%	6%	9%	5%	3%	6%	3%	11%	12%	6%	1%	61%	62%	43%	35%
North Balochistan	4%	12%	9%	4%	12%	10%	11%	4%	23%	3%	3%	11%	12%	17%	28%	11%	50%	57%	49%	71%
Quetta Block	31%	14%	8%	0%	10%	10%	8%	0%	3%	0%	0%	0%	14%	14%	9%	0%	43%	62%	64%	100%
Rest of Balochistan	7%	9%	5%	0%	2%	6%	3%	11%	5%	5%	5%	0%	10%	10%	25%	21%	76%	70%	60%	68%
BALOCHISTAN	16%	8%	6%	1%	6%	8%	6%	4%	6%	3%	4%	4%	12%	17%	20%	10%	60%	64%	64%	79%
PAKISTAN	2%	1%	3%	3%	1%	1%	1%	1%	1%	1%	1%	1%	6%	5%	6%	4%	89%	92%	89%	90%

* Afp.rec Data as of 10-07-2014

Key Surveillance Indicators; 2012-2014*

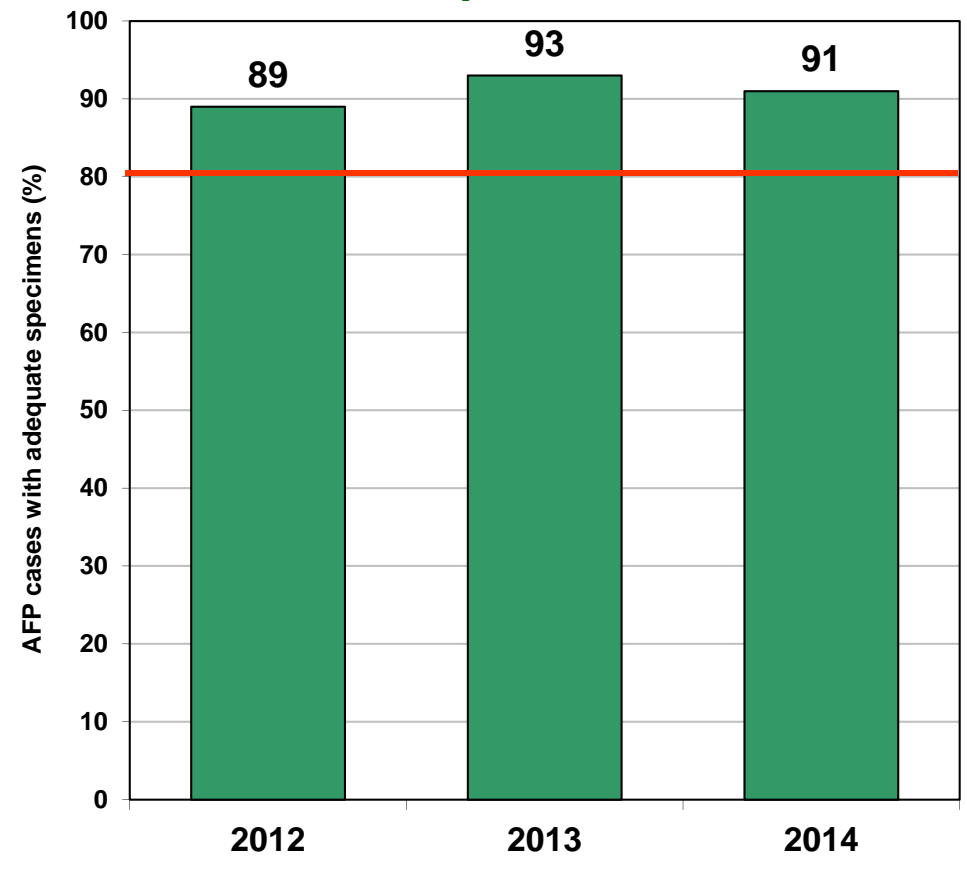
(Non polio AFP rate and % AFP cases with adequate specimens)

Graph 3



■ Non Polio AFP Rate

Graph 4



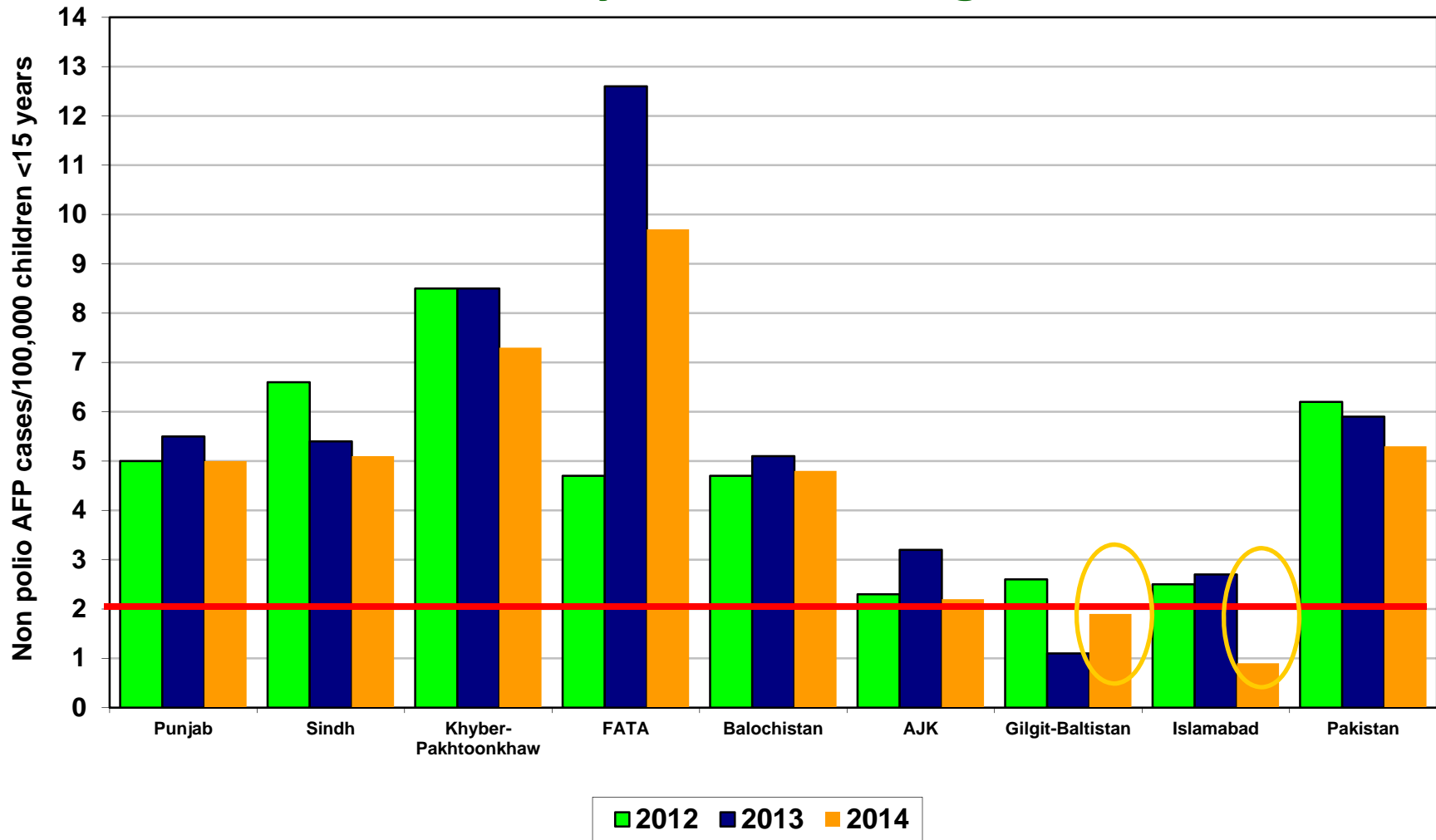
■ % AFP with Adequate Specimens

— Target

Non Polio AFP rate Up to Week No. 27 ended on 05th July, 2014

* Afp.rec Data as of 10-07-2014

Non Polio AFP Rate By Province/Regions, 2012-2014*

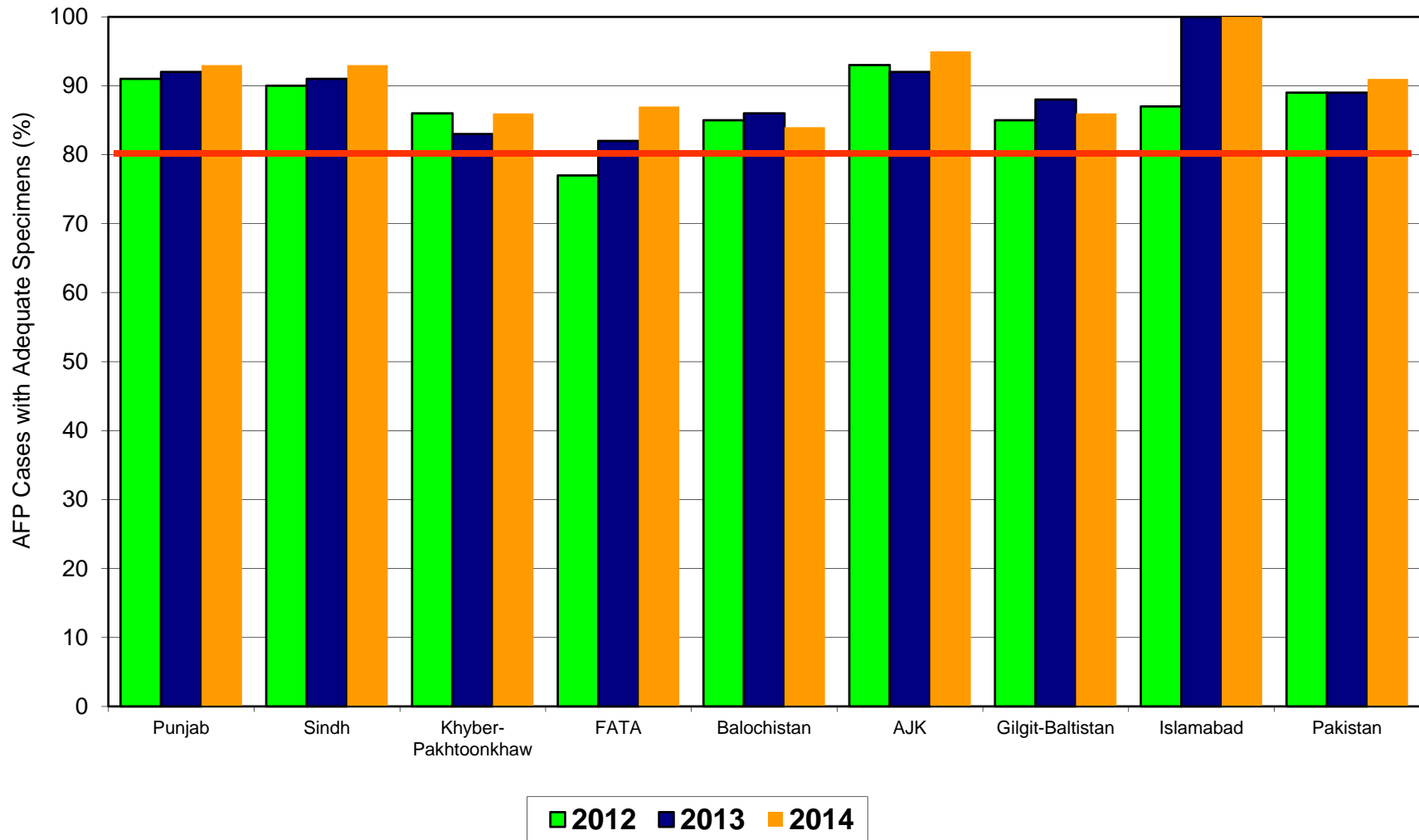


Non Polio AFP rate Up to Week No. 27 ended on 05th July, 2014

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

* Afp.rec Data as of 10-07-2014

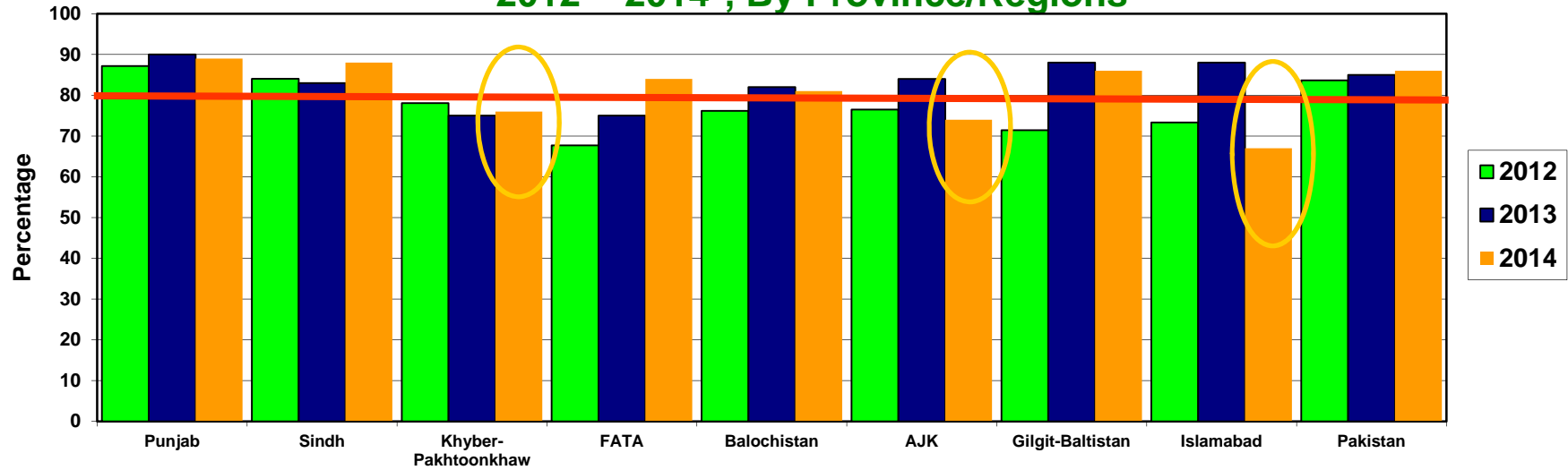
Percent AFP Cases with Adequate Specimens By Province/Regions, 2012-2014*



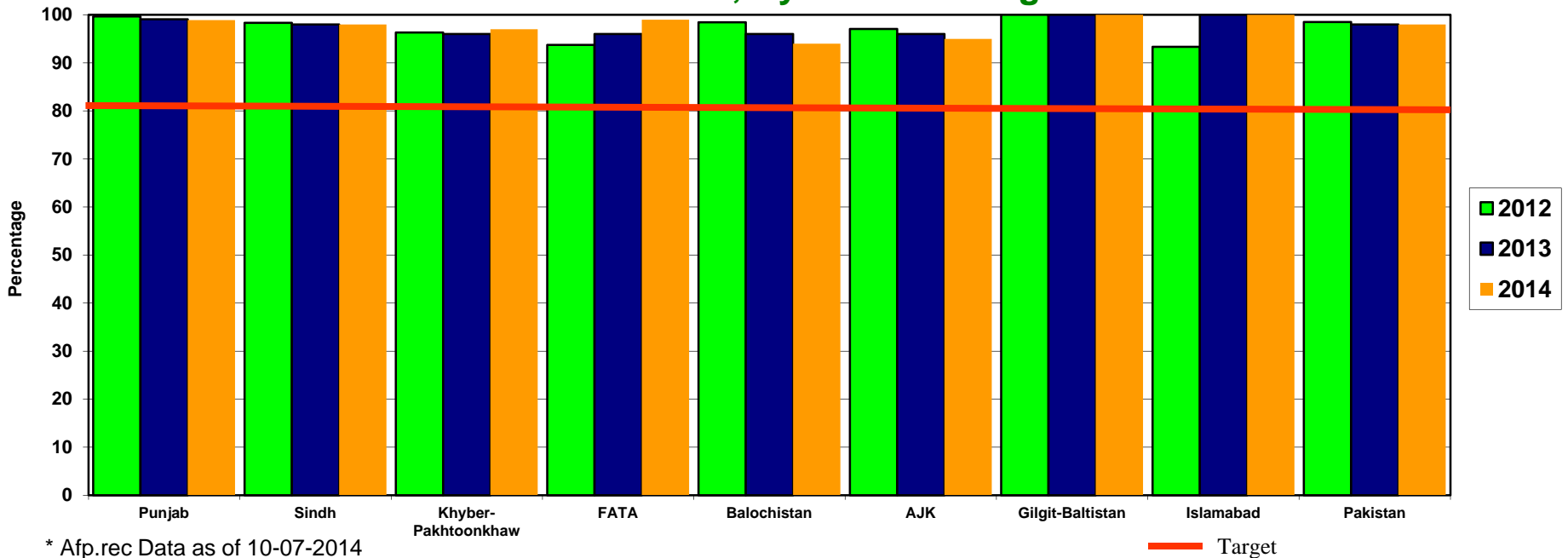
* Afp.rec Data as of 10-07-2014

 Target Adequate Sample cases = 80%

**Graph 5: Percent AFP Cases Notified within 07 days of paralysis onset
2012 ~ 2014*, By Province/Regions**



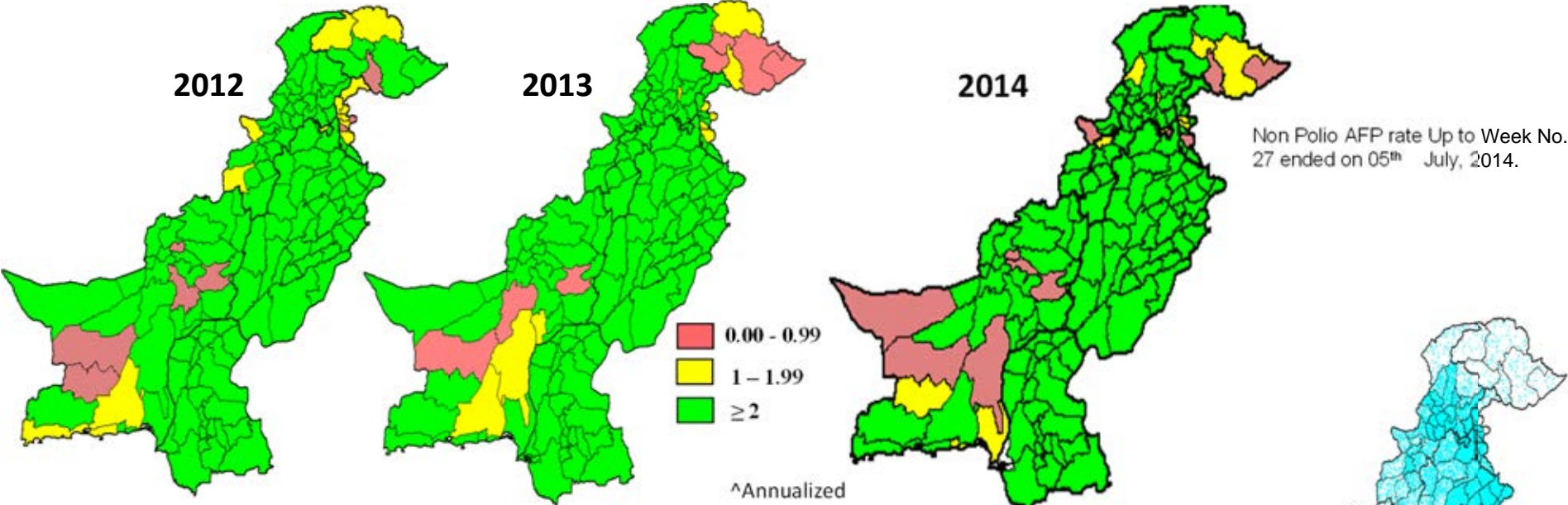
**Graph 6: Percent AFP Cases Investigated within 48 hours of notification
2012 ~ 2014*, By Province/Regions**



* Afp.rec Data as of 10-07-2014

— Target

Non-Polio^ AFP Rate by District



Percent AFP Cases with Adequate Specimens, by District

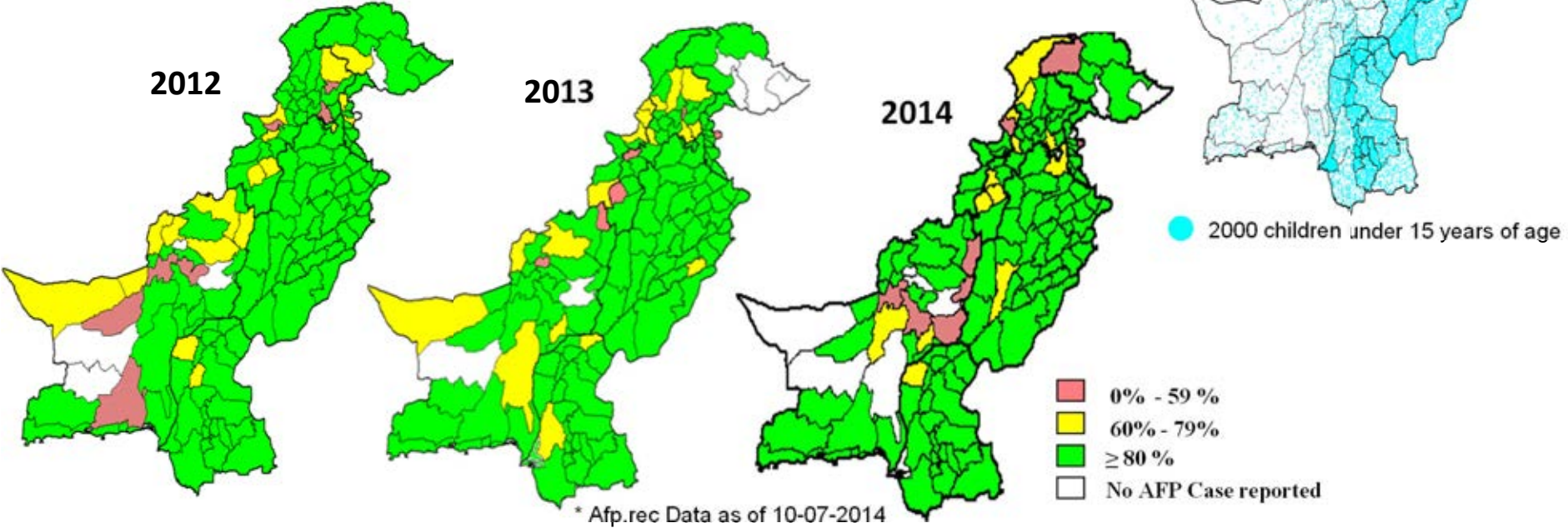


Table 7.1: AFP CASES PENDING FOR CLASSIFICATION WITH DATE OF ONSET MORE THAN 90 DAYS* 2014 (1/2)

S. No	DISTRICT	TEHSIL	EPID	SEX	AGE	DONSET	DOSESE	DSTOOL1	DSTOOL2	LAB	FEVER	ASYM	PROG	FUP	PEND (DAYS)		
1	DGKHAN	DGKHAN	PB/81/14/029	M	18	3/17/2014	7+	3/19/2014		NVI	Y	N	Y	DIED	115		
2	FAISALABAD	FAISALABAD CITY	PB/51/14/029	M	66	3/15/2014	7+	4/30/2014	5/1/2014	NVI	Y	N	Y	Y	117		
3	GUJRANWALA	KAMOKE	PB/21/14/032	M	22	3/8/2014	7+	4/30/2014	5/1/2014	NVI	Y	Y	Y	Y	124		
4	KHANEWAL	JAHANIAN	PB/62/14/019	F	146	3/29/2014	7+	4/17/2014	4/18/2014	NVI	N	N	Y		103		
5	KHANEWAL	KHANEWAL	PB/62/14/027	F	41	3/4/2014	7+	Late Notified			N	Y	UK		128		
6	MUZFARGARH	JATOI	PB/83/14/015	M	3	3/11/2014	3	3/25/2014	3/26/2014	VACC	Y	Y	Y	Y	121		
7	MUZFARGARH	JATOI	PB/83/14/023	M	7	3/12/2014	7+	4/25/2014	4/26/2014	NVI	Y	Y	UK	Y	120		
8	RAJANPUR	JAMPUR	PB/82/14/006	F	18	2/23/2014	7+	Late Notified			Y	N	Y	Y	137		
9	RAJANPUR	ROJHAN	PB/82/14/021	M	24	3/12/2014	7+	4/4/2014	4/5/2014	EV	Y	Y	Y	Y	120		
10	RAWALPINDI	RAWALPINDI	PB/11/14/004	M	10	1/26/2014	7+	2/12/2014		NVI	Y	Y	Y	Y	165		
11	RAWALPINDI	KALAR SYEDIAN	PB/11/14/020	M	5	4/4/2014	1	4/20/2014	4/22/2014	NVI	N	Y	Y	Y	97		
12	VEHARI	MAILSI	PB/63/14/024	F	81	2/25/2014	7+	Late Notified			Y	Y	Y		135		
13	JACOBABAD	JACOBABAD	SD/53/14/005	M	48	3/20/2014	7+	4/4/2014	4/6/2014	NVI	Y	Y	Y	Y	112		
14	JAMSHORO	MANJHAND	SD/25/14/011	F	6	4/10/2014	5	4/29/2014	5/1/2014	NVI	Y	Y	Y	Y	91		
15	KAMBAR	KAMBAR	SD/55/14/008	M	60	3/28/2014	7+	Late Notified			Y	Y	Y	Y	104		
16	KAMBAR	KAMBAR	SD/55/14/009	M	120	3/29/2014	7+	4/2/2014		NVI	Y	Y	Y	Y	103		
17	KASHMOR	KANDHKOT	SD/54/14/006	M	60	3/21/2014	7+	4/21/2014	4/22/2014	NVI	N	N	Y	Y	111		
18	KHAIRPUR	KHAIRPUR	SD/43/14/003	F	72	1/28/2014	7+	Child Died Before Stool Collection			Y	Y	Y	DIED	163		
19	KHIGADAP	GADAP	SD/63/14/004	M	10	1/5/2014	0	3/5/2014	3/6/2014	EV	Y	Y	Y	Y	186		
20	KHIGADAP	GADAP	SD/63/14/012	M	13	4/5/2014	6	5/6/2014	5/8/2014	NVI	UK	UK	UK		96		
21	KHIGIQBAL	G-IQBAL	SD/65/14/006	M	17	3/1/2014	7+	4/7/2014	4/8/2014	NVI	Y	Y	Y	Y	131		
22	KHIKAMARI	KAMARI	SD/67/14/003	M	3	4/9/2014	1	5/6/2014	5/8/2014	NVI	Y	Y	Y	Y	92		
23	KHIKORANGI	KORANGI	SD/68/14/001	M	23	1/5/2014	7+	Child Died Before Stool Collection			N	N	N	DIED	186		
24	MIRPURKHAS	SINDHRI	SD/31/14/026	F	14	4/9/2014	6						Y	Y	Y	DIED	92
25	UMERKOT	SAMARO	SD/34/14/002	F	24	1/14/2014	7+						Y	N	Y	DIED	177
26	BATAGRAM	BATAGRAM	KP/11/14/006	M	120	3/1/2014	7+	4/5/2014	4/6/2014	NVI	Y	Y	Y		131		
27	CHITRAL	CHITRAL	KP/21/14/001	M	48	1/22/2014	7+	1/31/2014		NVI	Y	N	Y	DIED	169		
28	CHITRAL	MASTUJ	KP/21/14/005	M	132	4/5/2014	7+	4/19/2014	4/20/2014	NVI	Y	Y	Y		96		
29	HARIPUR	HARIPUR	KP/12/14/009	F	144	4/10/2014	7+	4/29/2014	4/30/2014	NVI	N	Y	Y		91		
30	KOHAT	KOHAT	KP/50/14/011	F	17	3/5/2014	7+	Late Notified			Y	N	Y		127		
31	KOHISTAN	DASSU	KP/13/14/005	M	34	3/22/2014	3	4/4/2014	4/6/2014	NVI	Y	Y	Y		110		
32	LAKKIMRWT	LAKKIMRWT	KP/62/14/020	M	42	3/30/2014	7+	Late Notified			N	N	Y	Y	102		
33	PESHAWAR	PESHAWAR	KP/30/14/027	F	18	3/12/2014	7+	4/1/2014	4/2/2014	VACC	Y	Y	Y	Y	120		
34	PESHAWAR	PESHAWAR	KP/30/14/039	M	48	3/26/2014	7+	4/19/2014	4/20/2014		Y	Y	Y	Y	106		
35	TANK	TANK	KP/63/14/002	M	18	2/5/2014	7+	3/6/2014	3/8/2014	EV	Y	N	UK		155		
36	BARKHAN	BARKHAN	BN/23/14/001	M	36	1/19/2014	3	1/30/2014		NVI	Y	Y	UK	DIED	172		
37	DBUGTI	DERA BUGTI	BN/35/14/001	M	33	1/20/2014	7+	2/22/2014	2/23/2014	NVI	Y	Y	Y		171		
38	JAFARABAD	JHAT PAT	BN/43/14/005	F	14	2/5/2014	7+	2/19/2014	2/21/2014	NVI	Y	Y	Y	Y	155		
39	JAFARABAD	SOHBAT PUR	BN/43/14/011	F	58	4/5/2014	7+	5/14/2014	5/16/2014	VACC	N	Y	Y	Y	96		
40	KALAT	KALAT	BN/53/14/001	M	120	2/1/2014	7+	3/1/2014	3/4/2014	NVI	N	Y	Y	Y	159		
41	SIBI	LEHRI	BN/31/14/004	F	35	2/28/2014	3	3/26/2014	3/27/2014	NVI	Y	Y	N	Y	132		
42	HAVELI	HAVELI	AJ/51/14/002	F	120	2/16/2014	3	4/17/2014	4/19/2014	NVI	Y	N	Y	Y	144		

€ Based on recall of parents

* Afp.rec Data as of 10-07-2014

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* 2014 (2/2)

S. No	DISTRICT	TEHSIL	EPID	SEX	AGE	DONSET	DOSES€	DSTOOL1	DSTOOL2	LAB	FEVER	ASYM	PROG	FUP	PEND (DAYS)
43	FR BANNU	FR BANNU	FT/69/14/011	M	8	2/3/2014	0	2/20/2014	2/21/2014	NVI	Y	Y	Y		157
44	FR BANNU	FR BANNU	FT/69/14/020	M	21	2/17/2014	0	Late Notified			Y	Y	Y	Y	143
45	WAZIR-N	MIRAN SHAH	FT/64/14/044	M	12	1/27/2014	0	3/2/2014	3/3/2014	VACC	Y	Y	Y		164
46	WAZIR-N	MIRAN SHAH	FT/64/14/052	M	8	3/1/2014	0	3/13/2014		NVI	Y	Y	Y		131
47	WAZIR-N	MIR ALI	FT/64/14/065	F	12	4/7/2014	2	4/9/2014		NVI	Y	Y	Y		94
48	WAZIR-N	MIRAN SHAH	FT/64/14/105	F	14	1/12/2014	1	6/24/2014	6/26/2014		Y	Y	Y		179

€ Based on recall of parents
 * Afp.rec Data as of 10-07-2014

60 days Follow-up not done

FUP = Residual Weakness at 60 days follow up.