



**World Health
Organization**

**Weekly
AFP Surveillance Update
Pakistan**

Week 31 (*Ended on 2nd Aug, 2014*)

***National Surveillance Cell
Federal EPI***

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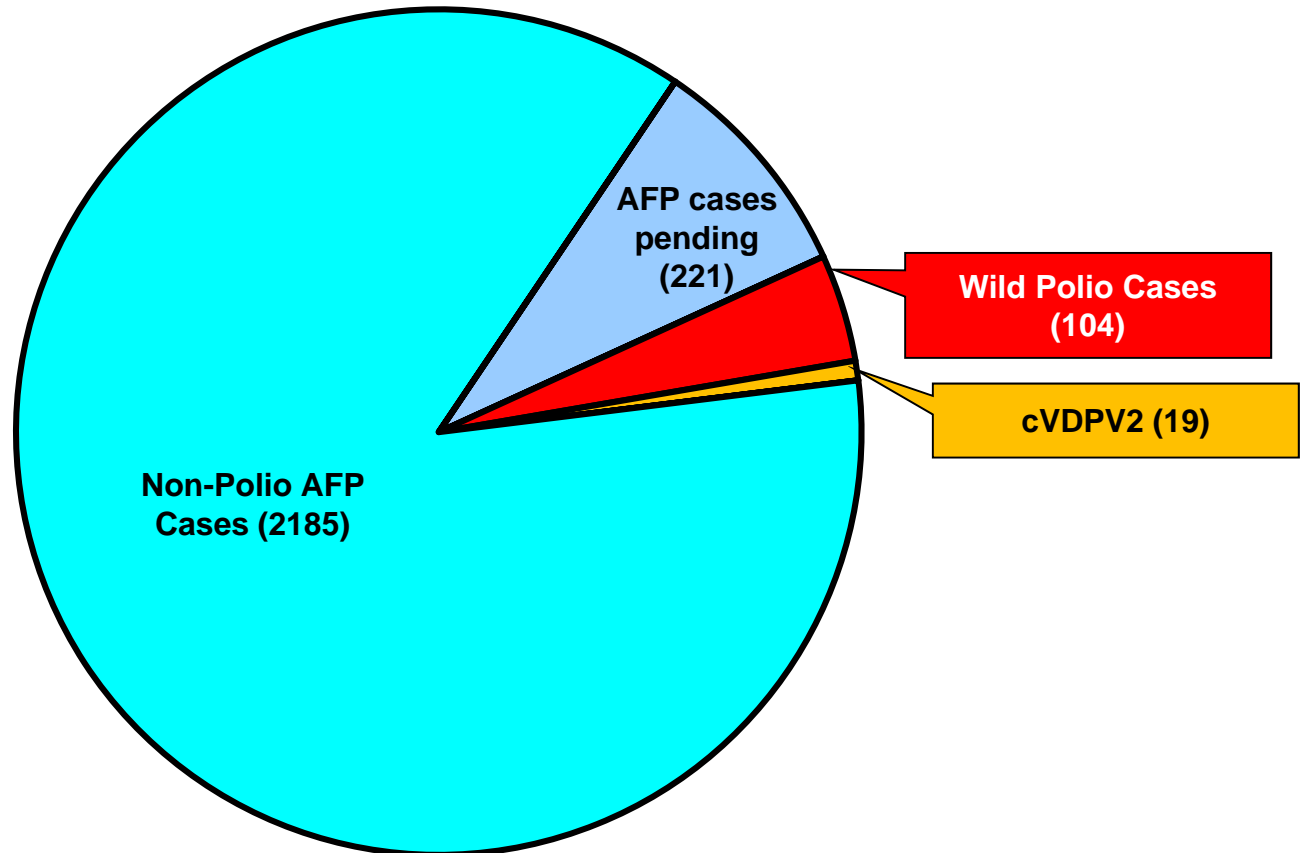
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AFP Surveillance



AFP Case Profile, 2014*



Total AFP Cases Reported = 2529

**^50 Inadequate cases pending classification by ERC;
^81 Inadequate cases not due for FUP
^89 Pending in the Lab**

* Afp.rec Data as of 31-07-2014

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	18	4	4	04-July -14
FATA / FR Areas	15	76	3	4	09-July -14
Sindh	3	9	3	6	24-June-14
Balochistan	0	1	0	1	02-July-14
Punjab	2	0	2	0	12-Dec-13
Pakistan	25	104	12	15	09-Jul-14

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

* Afp.rec Data as of 31-07-2014

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

S.NO.	PROVINCE/ REGION	DISTRICT	TEHSIL	EPID NO.	SEX	AGE (m)	DATE ONSET OF PARALYSIS	NO. OPV DOSES (based on parents recall)		FEVER	Asymetric Paralysis	Rapid Progression	REFUSAL	WPV 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 31-07-2014

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	Asymetric Paralysis	Rapid Progression	REFUSAL	WPV 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 31-07-2014

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 31-07-2014

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	Asymetric Paralysis	Rapid Progression	REFUSAL	W/PV 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 31-07-2014

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	Asymmetric Paralysis	Rapid Progression	REFUSAL	W/PV 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	R4B
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	R4B
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
95	SINDH	KHIGADAP	GADAP	SD/63/14/022	M	21	21-June-14	0	5	Y	Y	Y	N	NSL1	R4B
96	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/109	M	24	20-June-14	0	3	Y	Y	Y	N	NSL1	R4B
97	KPAKHTUNKHWA	LAKIMARWAT	LAKIMARWAT	KP/62/14/021	F	24	24-June-14	0	0	Y	Y	Y	Y	NSL1	R4B
98	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/800	F	18	24-June-14	0	0	Y	Y	Y	N	NSL1	R4B
99	FATA	WAZIR-S	WANA	FT/65/14/012	M	18	28-June-14	0	0	Y	Y	Y	N	NSL1	R4B
100	BALUCHISTAN	KABDULAH	KABDULAH	BN/14/14/009	F	18	02-July-14	2	0	Y	Y	Y	Y	NSL1	R4B
101	FATA	KHYBER\$	BARA	FT/34/14/026	F	18	06-July-14	0	0	Y	Y	Y	N	NSL1	R4B
102	FATA	WAZIR-S	WANA	FT/65/14/013	F	21	09-July-14	0	0	Y	Y	Y	N	NSL1	R4B
103	FATA	KHYBER	BARA	FT/34/14/025	F	8	03-July-14	0	0	Y	Y	Y	N	NSL1	
104	KPAKHTUNKHWA	PESHAWAR	PESHAWAR	KP/30/14/067	F	12	04-July-14	0	0	Y	Y	Y	N	NSL1	

\$ Security compromised area

New Case

^Under investigation

* Afp.rec Data as of 31-07-2014

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	%
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	504	313	0	0	20	4	149	30%	16	488	97%
June	420	298	4	1	13	3	87	21%	17	398	95%
July	243	85	112	4	3	1	34	14%	5	122	50%
Pakistan	2728	1778	116	5	149	5	558	20%	104	2504	92%

* Data as of 04-08-2014

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

Basic information										OPV doses				Urgent		Prov	Lab update			Remarks	
S. #	District	Prio- rity	Tehsil	Union council	Epid number	Date of Onset	Age (M)	Sex	Date of 1st stool	Stool Adeq	Ri	SIAs	Last 6 SIAs	Last dose	Field	NSC y	Diagnosis	Lab No.	Days Inoc	Culture update	
Isolates pending for ITSD																					
1	WAZIR-N	1	MIRAN SHAH	#	FT/64/14/112	06-Jul-14	18	M	11-Jul-14	Y	#	#	#		#	#	MONOPLÉGIA	1846	3	P1	Discordant U
2	PESHAWAR	1	PESHAWAR	PAKHA GHULM	KP/30/14/070	12-Jul-14	10	F	16-Jul-14	Y	3	6	6	30-Jun-14	N		INI NEURITS	3328	4	P1	Discordant U
3	CHAKWAL	4	KALAR KAHAR	KALAR KAHAR	PB/13/14/019	07-Jul-14	35	F	13-Jul-14	Y	3	7+	6	24-Mar-14	N	N	PSEUDO PARALYSIS	3309	5	P1	Discordant U
4	KHILANDHI	1	LANDHI	5	SD/69/14/012	08-Jul-14	12	M	12-Jul-14	Y	2	7+	6	25-Mar-14	N	N	GIS / HYPOKALEMIA	3310	5	P1	Discordant U
5	KHINORTH	1	NORTH	5	SD/73/14/004	20-Jun-14	66	M	13-Jul-14	N	0	1	-		Y	N	POLIO	3351	3	P1	Discordant U
Reported urgent (by field / NSC y criteria)																					
6	PESHAWAR	1	PESHAWAR	HAZARKHANI-2	KP/30/14/073	08-Jul-14	32	F	17-Jul-14	Y	3	7+	0		Y	Y	POLIO	3392	14	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

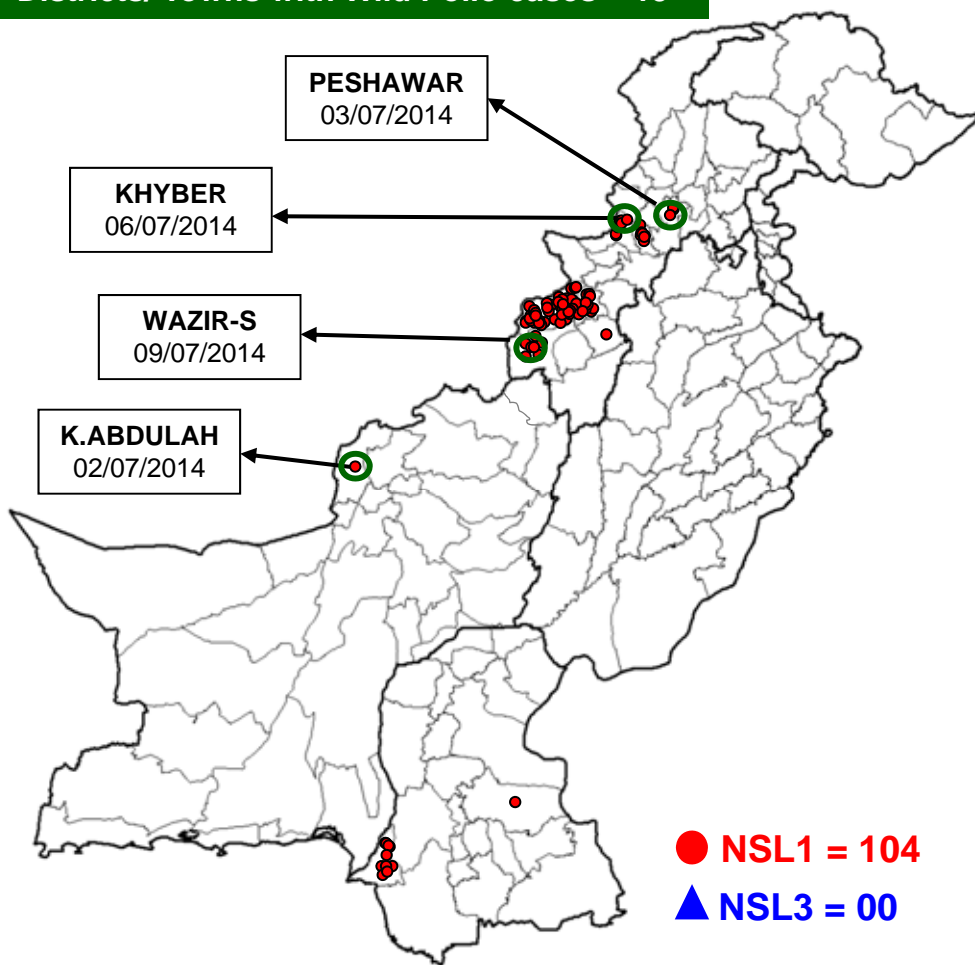
Comparison environmental sampling results 2013-14

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 = 15



Province/ Country	Date of Last Case		Number of cases 2013	
	P1	P3	P1	P3
PUNJAB	Dec, 2013	Jun, 2010	-	-
SINDH	June, 2014	Jan, 2010	9	-
KHYBER- PAKHTUNKHWA	July, 2014	Oct, 2010	18	-
FATA	July, 2014	Apr, 2012	76	-
BALUCHISTAN	July, 2014	Apr, 2010	1	-
AJK	June, 2000	Jun, 2000	-	-
GILGIT-BALTISTAN	Aug, 2012	-	-	-
ISLAMABAD	Sep, 2008	Sep, 2008	-	-
PAKISTAN	July, 2014	Apr, 2012	104	-

○ District with last polio case in province

Cases randomly placed
in districts

— Provincial Boundary
— Districts Boundary

* Afp.rec Data as of 31-07-2014

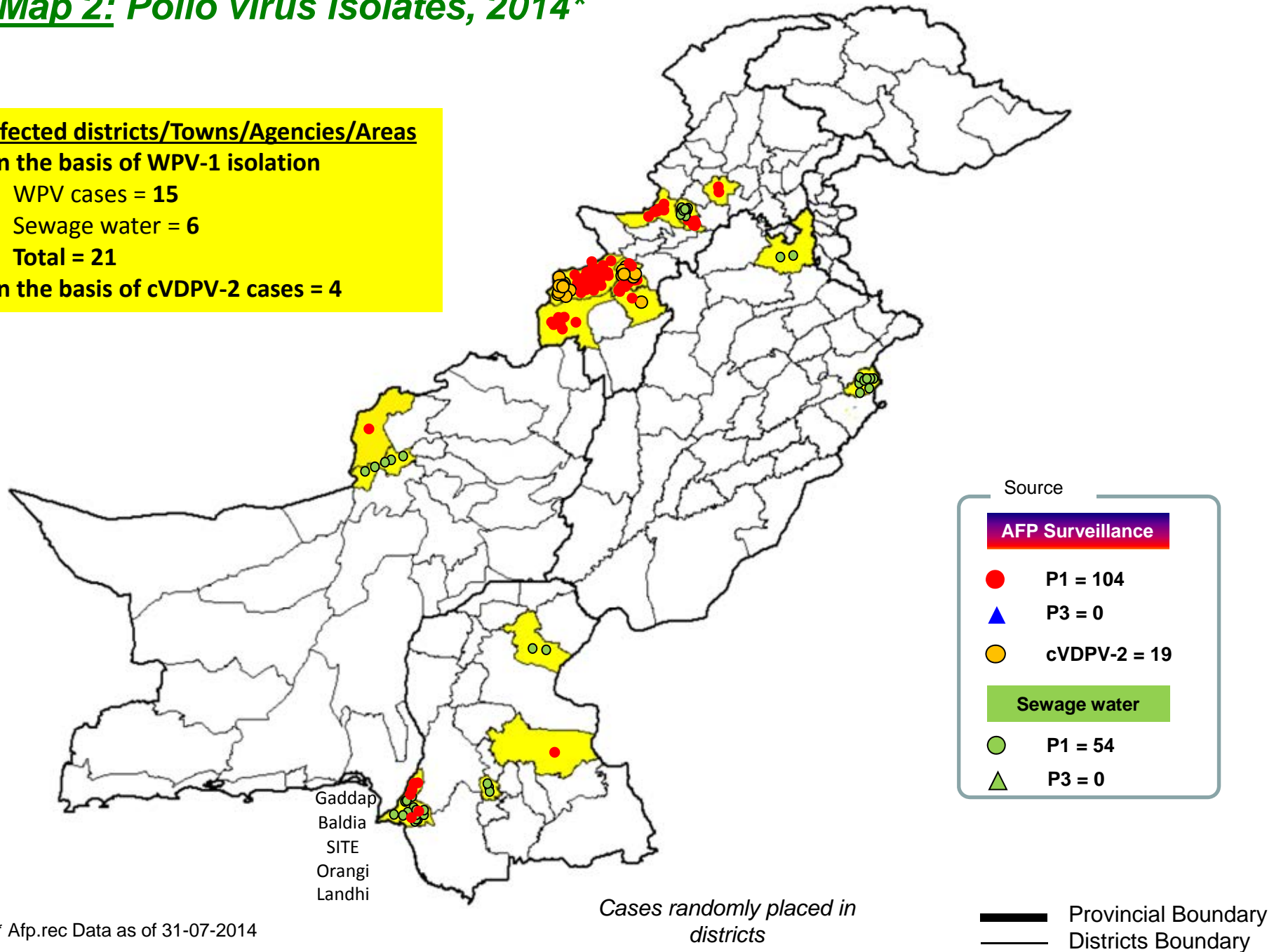
Map 2: Polio virus isolates, 2014*

Infected districts/Towns/Agencies/Areas

On the basis of WPV-1 isolation

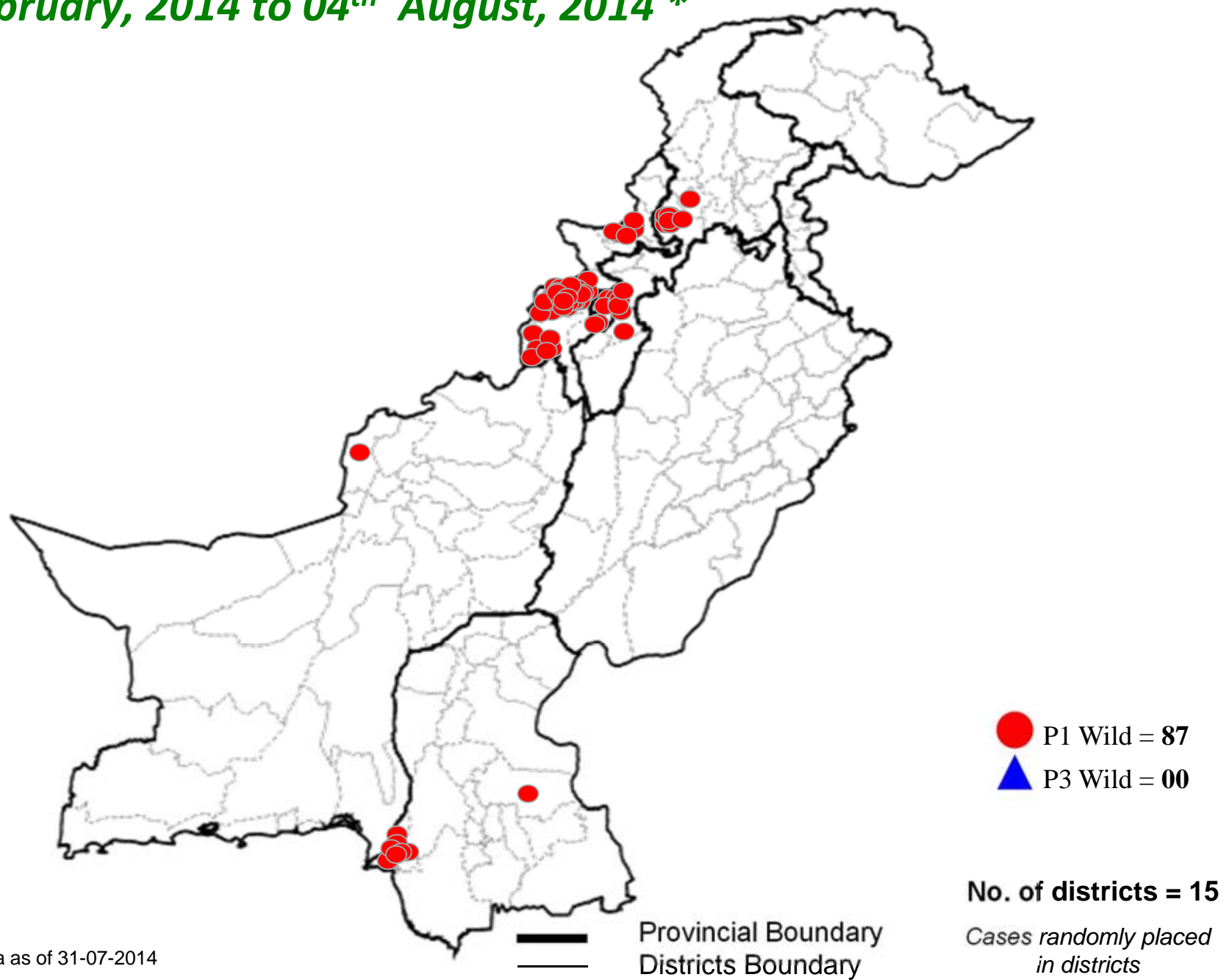
- WPV cases = 15
- Sewage water = 6
- Total = 21

On the basis of cVDPV-2 cases = 4



* Afp.rec Data as of 31-07-2014

**Map 3: Wild Polio cases in the last 6 months;
05th February, 2014 to 04th August, 2014 ***



* Afp.rec Data as of 31-07-2014

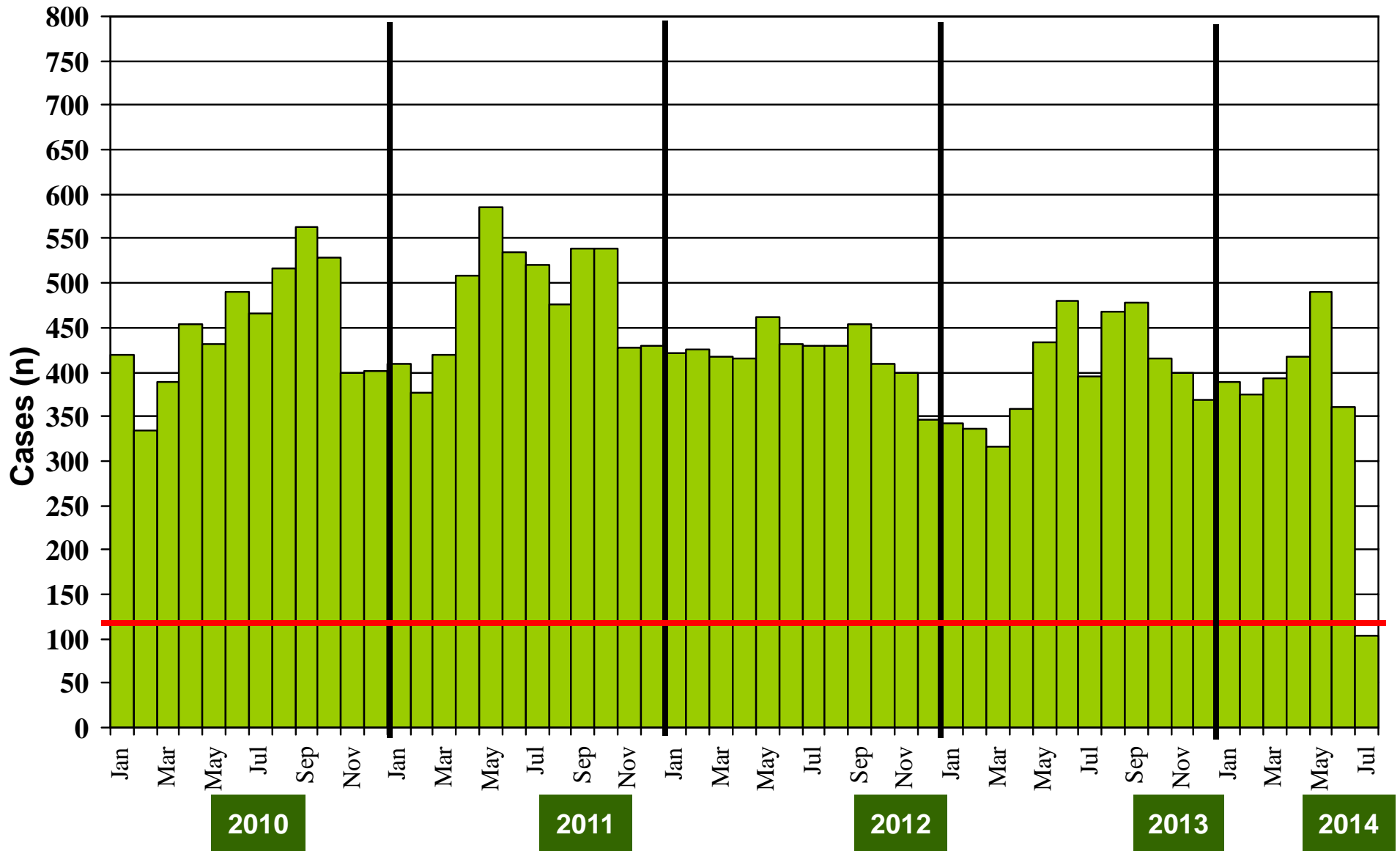
**Table 4: Distribution of AFP Cases By Week of Onset ^
Pakistan 2013-14* [Week number/Ending on]**

PROVINCE	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 Jun e 2014	W 24 14 June 2014	W 25 21 Jun e 2014	W 26 28 June 2014	W 27 05 July 2014	W 28 12 July 2014	W 29 19 July 2014	W 30 26 July 2014
PUNJAB	73	45	54	63	55	61	72	44	50	36	34	25	17	2	0
SINDH	25	15	21	17	27	14	12	20	19	15	18	10	7	3	0
KP	26	16	22	15	14	20	15	17	11	19	11	14	10	2	0
FATA	8	5	8	9	9	7	9	5	3	2	4	3	1	1	0
BALUCHISTAN	2	5	5	5	4	5	1	5	3	4	3	7	6	1	1
AJK	0	0	0	0	1	3	1	0	1	1	2	1	0	0	0
GILGIT BILTISTAN	2	0	0	0	0	1	1	0	0	1	0	0	0	0	0
ISLAMABAD	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
PAKISTAN	136	87	110	109	110	112	111	91	87	78	72	60	41	9	1

* Afp.rec & Afplab.rec: Data as of 31-07-2014

^ MMWR Epidemiological Weeks

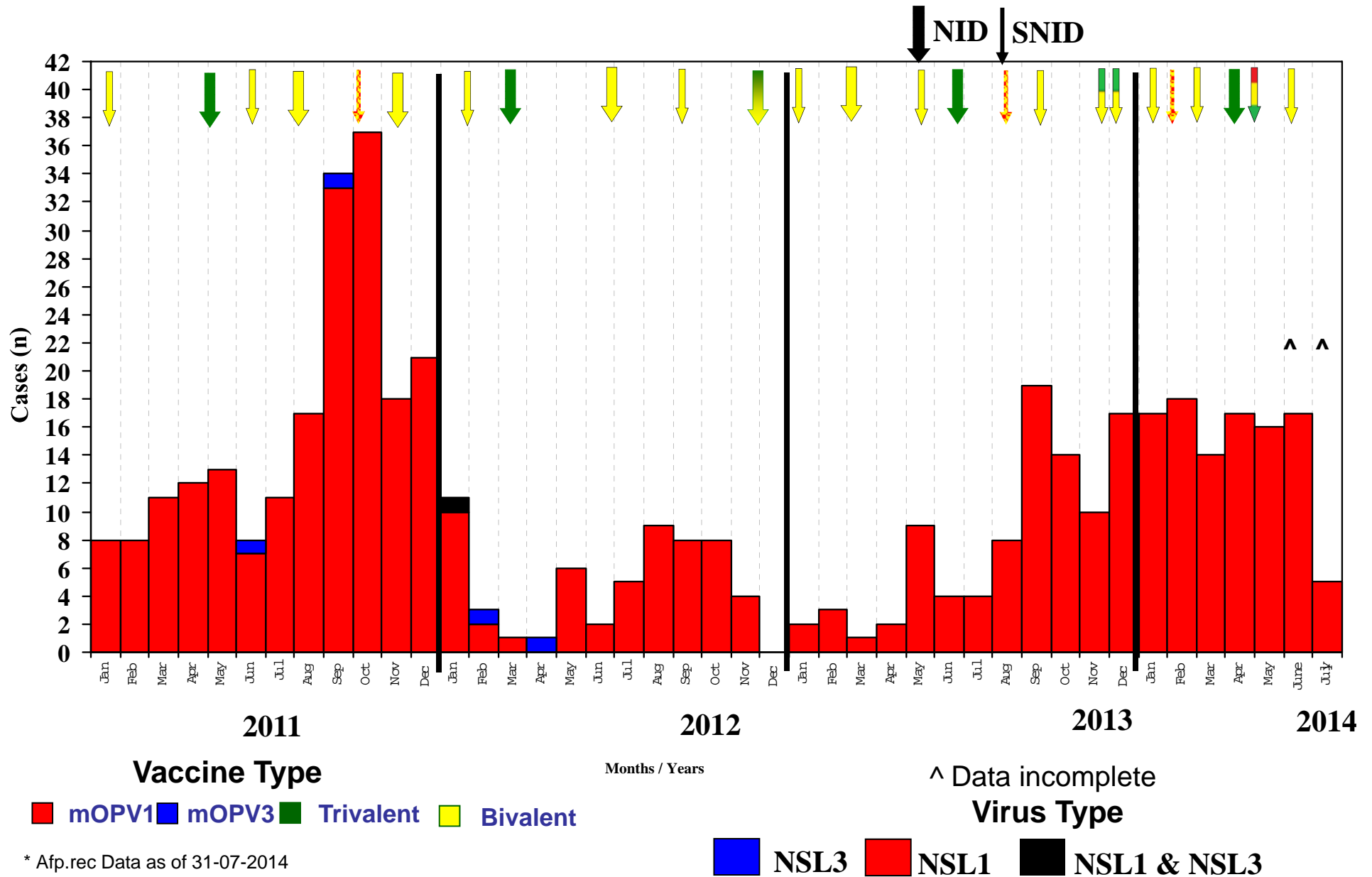
Graph 1: Distribution of AFP Cases by Month, Pakistan 2010-2014*



* Afp.rec Data as of 31-07-2014

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

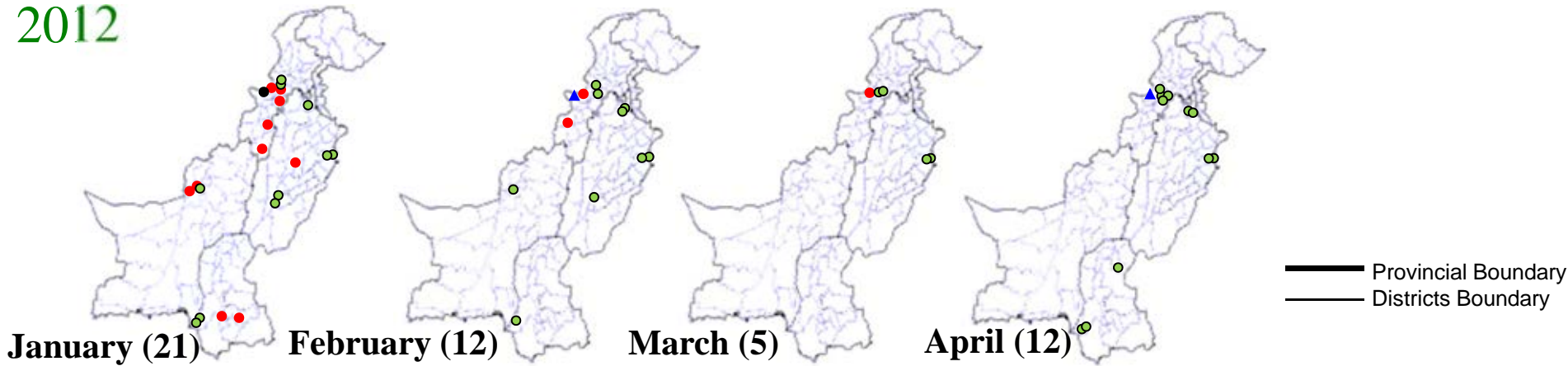
Confirmed Polio Cases By Poliovirus Type, 2011-2014*



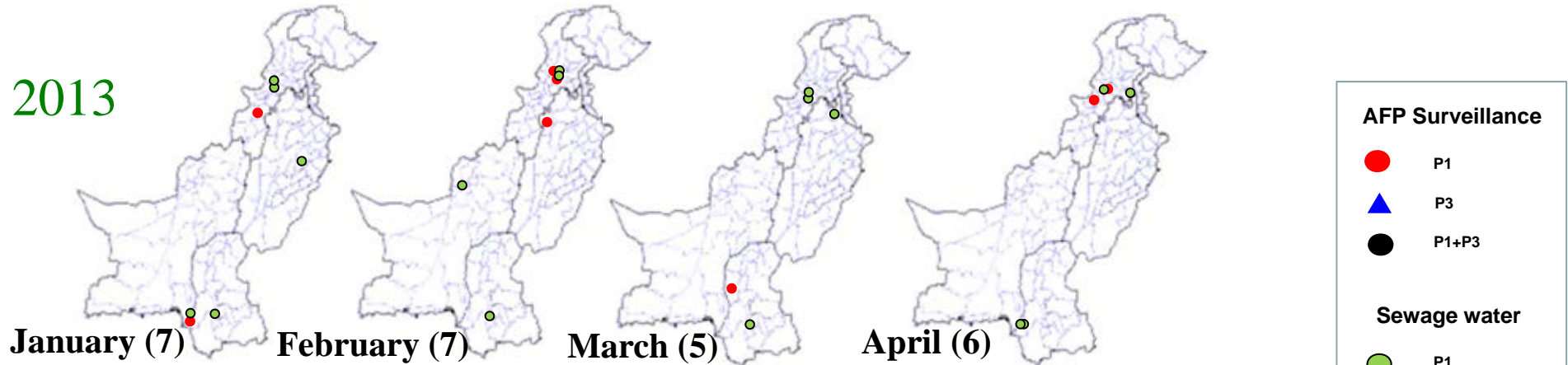
* Afp.rec Data as of 31-07-2014

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

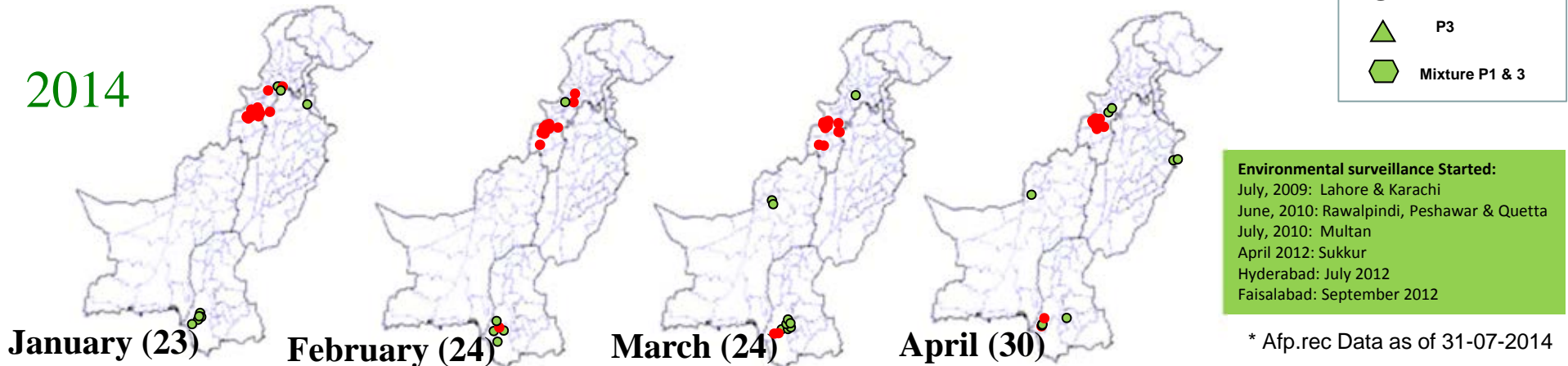
2012



2013



2014



AFP Surveillance

- P1
- ▲ P3
- P1+P3

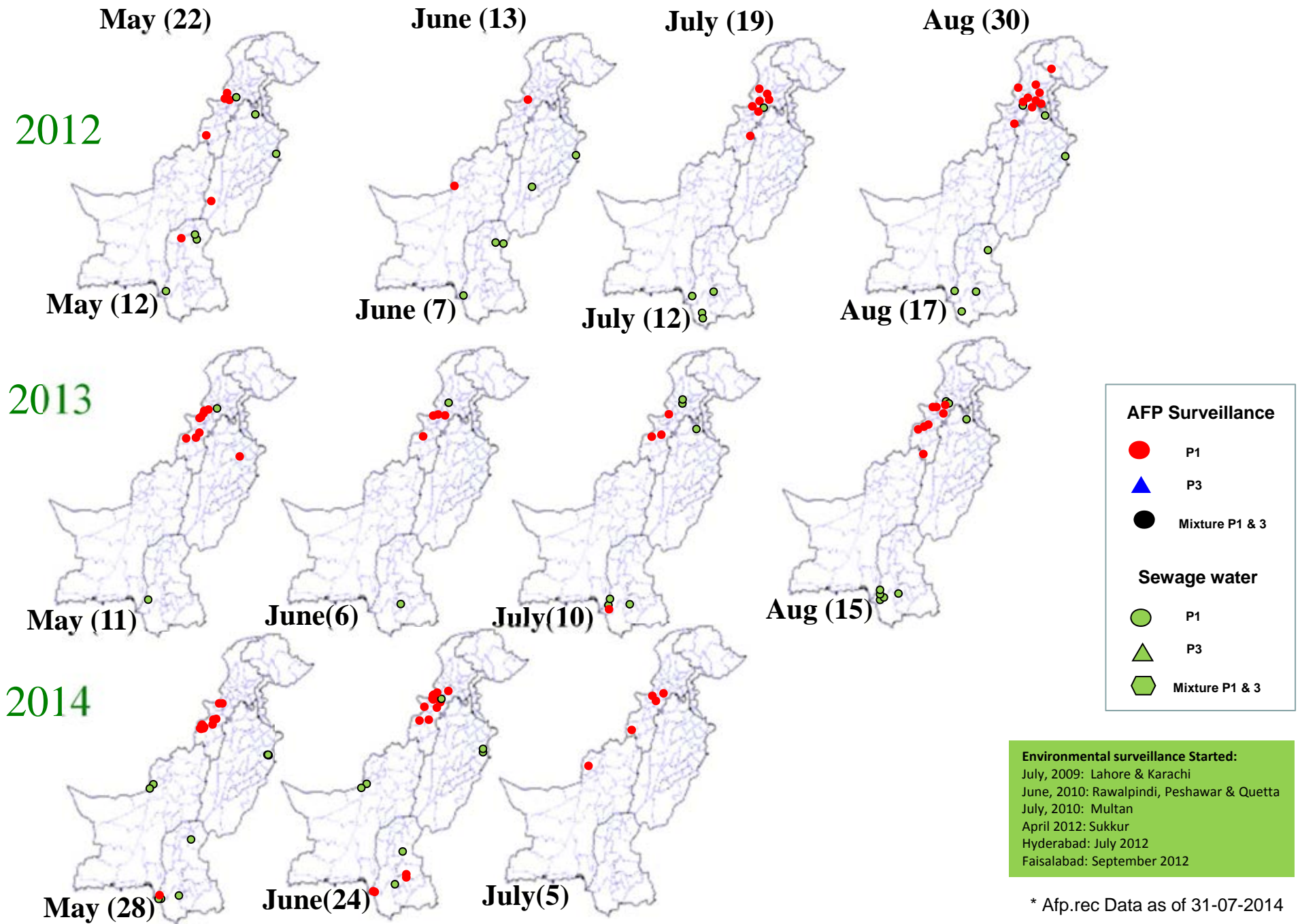
Sewage water

- 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 31-07-2014

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



* Afp.rec Data as of 31-07-2014

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

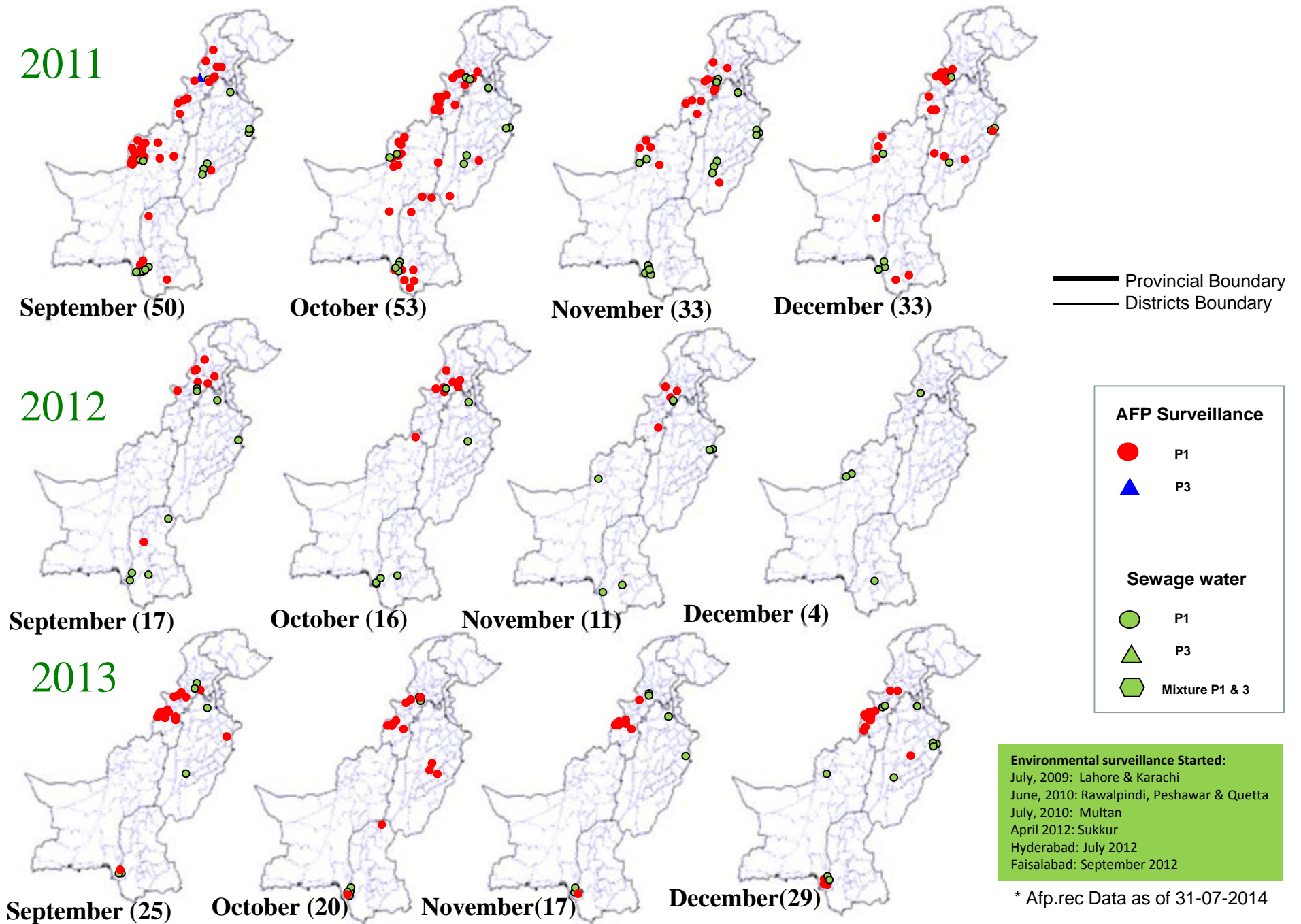
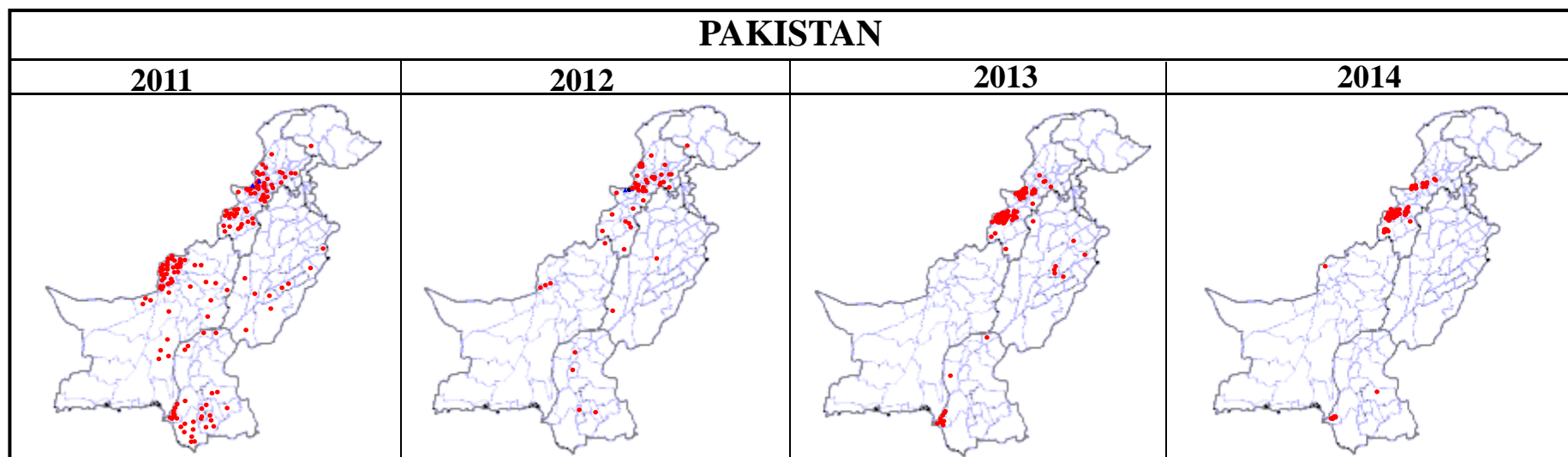


Table 5: Polio Eradication Update, Pakistan 2011-2014*

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	9	0	-	-	-	33	4	10	9
KP	23	27	11	18	0	-	-	-	23	27	11	18
FATA^	57	17	65	76	2	2	-	-	59	20^	65	76
BALUCHISTAN	73	4	-	1	0	-	-	-	73	4	-	1
AJK	0	-	-	-	0	-	-	-	0	-	-	-
Gilgit-Baltistan	1	1	-	-	0	-	-	-	1	1	-	-
ISLAMABAD	0	-	-	-	0	-	-	-	0	-	-	-
PAKISTAN	196	55	93	104	2	2	-	-	198	58	93	104

^ FATA reported mixture of NSL1 & NSL3



* Afp.rec Data as of 31-07-2014

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

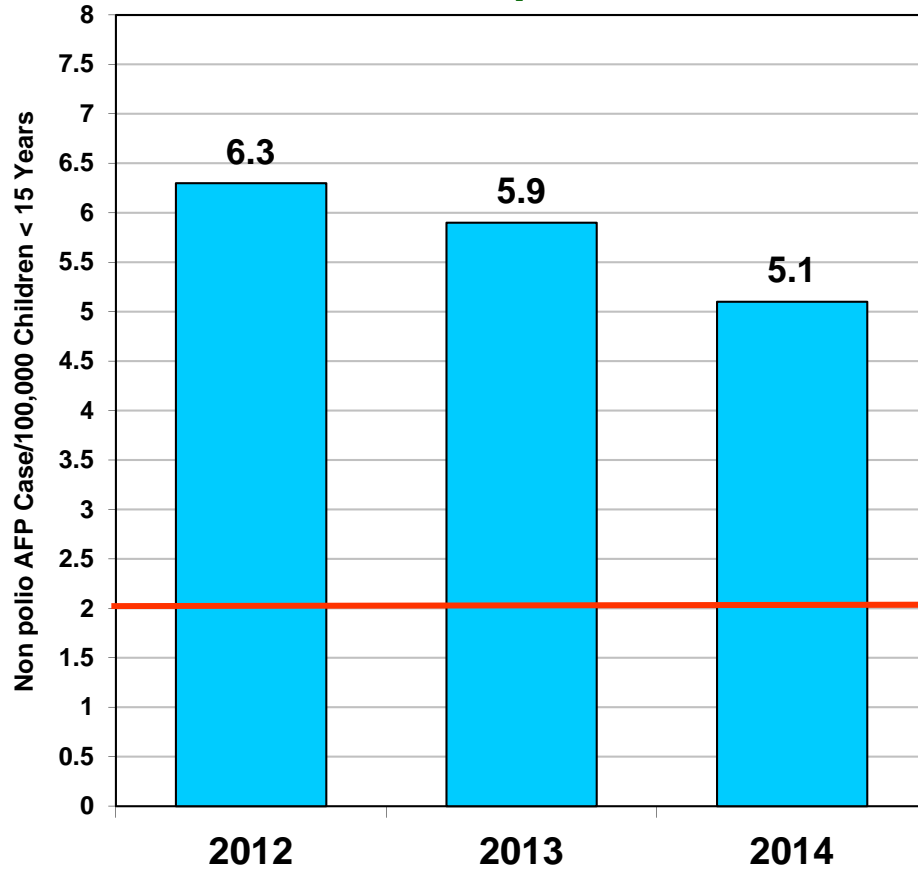
REGION	0 dose				1-2 doses				3 doses				4-6 doses				7+ doses			
	11	12	13	14	11	12	13	14	11	12	13	14	11	12	13	14	11	12	13	14
Central Punjab	0%	0%	0%	0%	1%	0%	0%	0%	2%	0%	1%	1%	6%	4%	7%	4%	92%	95%	91%	95%
North Punjab	0%	0%	0%	0%	1%	0%	0%	1%	1%	0%	0%	2%	5%	4%	4%	4%	93%	96%	96%	93%
South Punjab	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	5%	4%	5%	2%	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%	7%	1%	1%	5%	4%	0%	2%	0%	4%	6%	6%	6%	3%	86%	90%	88%	81%
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%	6%	92%	93%	92%	91%
Central Khyber Pakhtunkhwa	1%	2%	2%	1%	1%	1%	1%	1%	0%	0%	1%	1%	3%	2%	2%	4%	95%	95%	95%	93%
North Khyber Pakhtunkhwa	1%	2%	1%	3%	2%	2%	1%	1%	1%	2%	1%	4%	7%	9%	7%	8%	90%	85%	91%	85%
South Khyber Pakhtunkhwa	2%	2%	1%	2%	4%	1%	0%	2%	4%	1%	1%	0%	7%	9%	4%	3%	83%	87%	95%	93%
Khyber Pakhtunkhwa	1%	2%	1%	2%	2%	1%	0%	1%	1%	1%	1%	2%	5%	6%	4%	5%	91%	89%	94%	90%
FATA	14%	18%	39%	52%	10%	6%	6%	10%	5%	3%	6%	2%	11%	12%	6%	1%	61%	62%	43%	35%
North Balochistan	4%	12%	9%	3%	12%	10%	11%	3%	23%	3%	3%	10%	12%	17%	28%	10%	50%	57%	49%	74%
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%	10%	5%	5%	5%	0%	10%	10%	25%	15%	76%	70%	60%	75%
BALUCHISTAN	16%	8%	6%	1%	6%	8%	6%	4%	6%	3%	4%	4%	12%	17%	20%	8%	60%	64%	64%	83%
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 31-07-2014

Key Surveillance Indicators; 2012-2014*

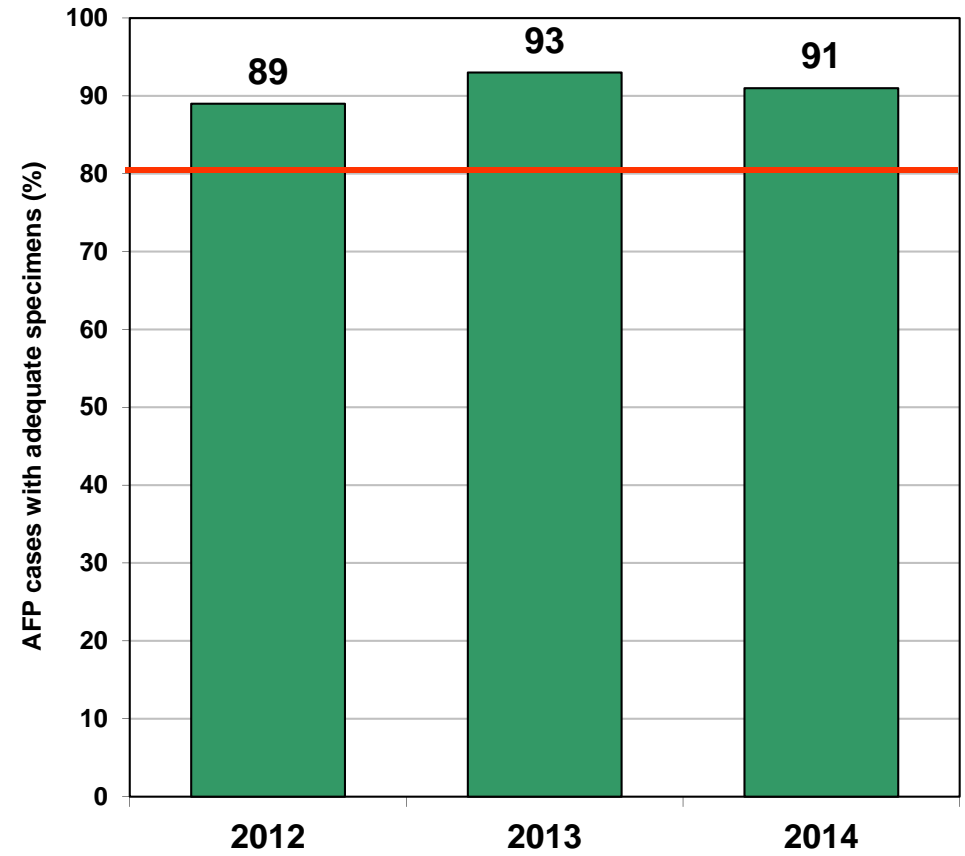
(Non polio AFP rate and % AFP cases with adequate specimens)

Graph 3



■ Non Polio AFP Rate

Graph 4



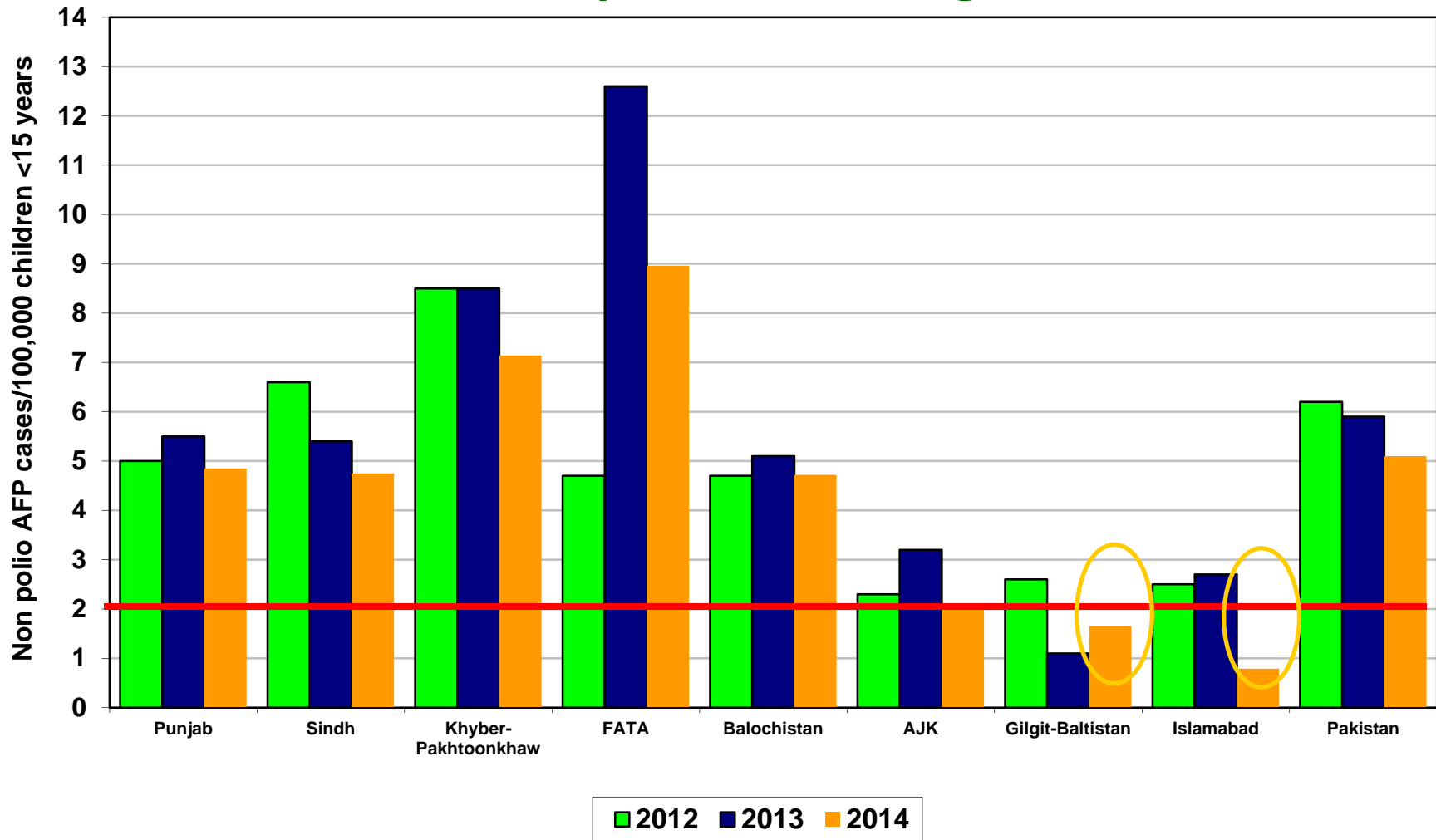
■ % AFP with Adequate Specimens

— Target

Non Polio AFP rate Up to Week No. 29 ended on 19th July, 2014

* Afp.rec Data as of 31-07-2014

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

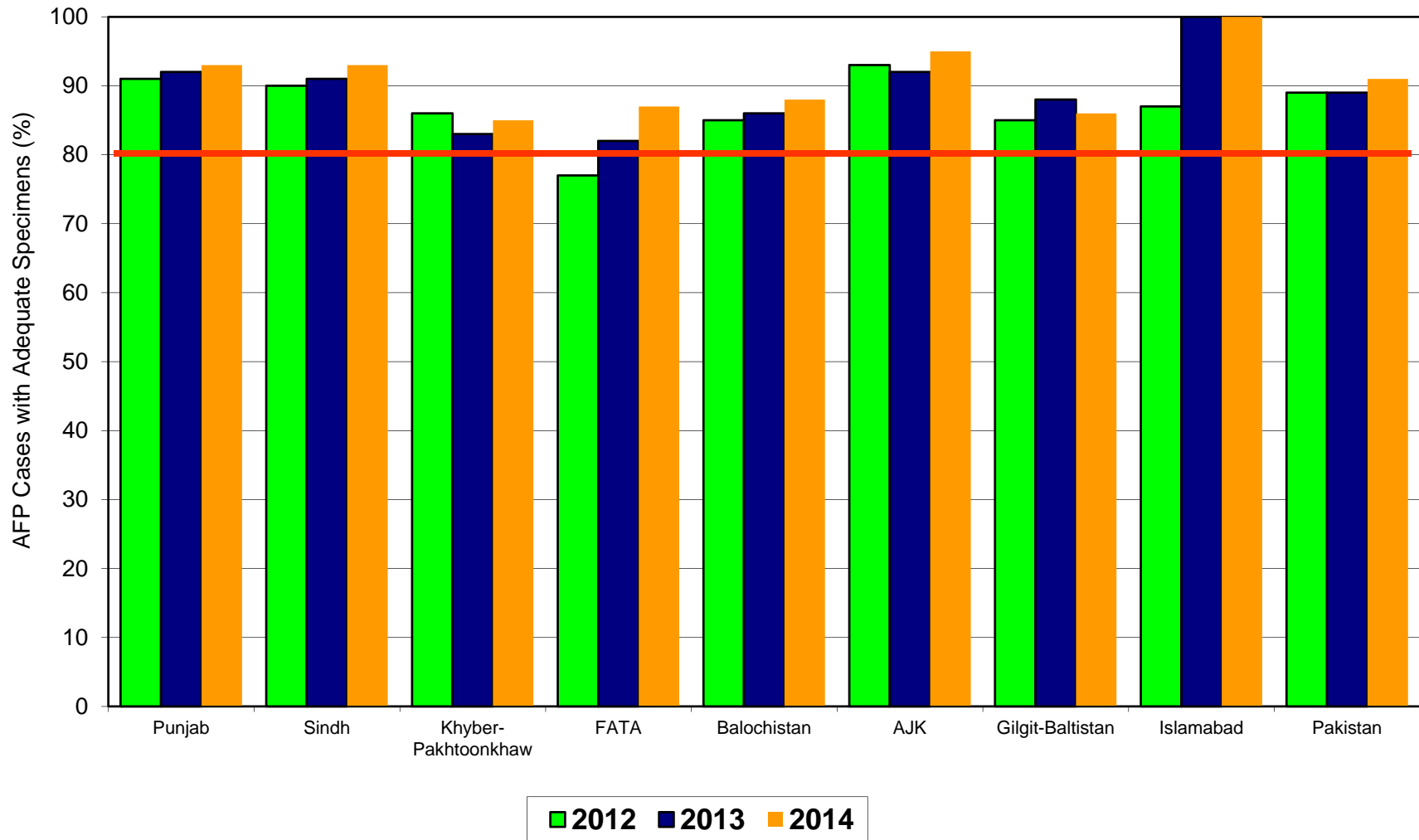


Non Polio AFP rate Up to Week No. 29 ended on 19th July, 2014

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

* Afp.rec Data as of 31-07-2014

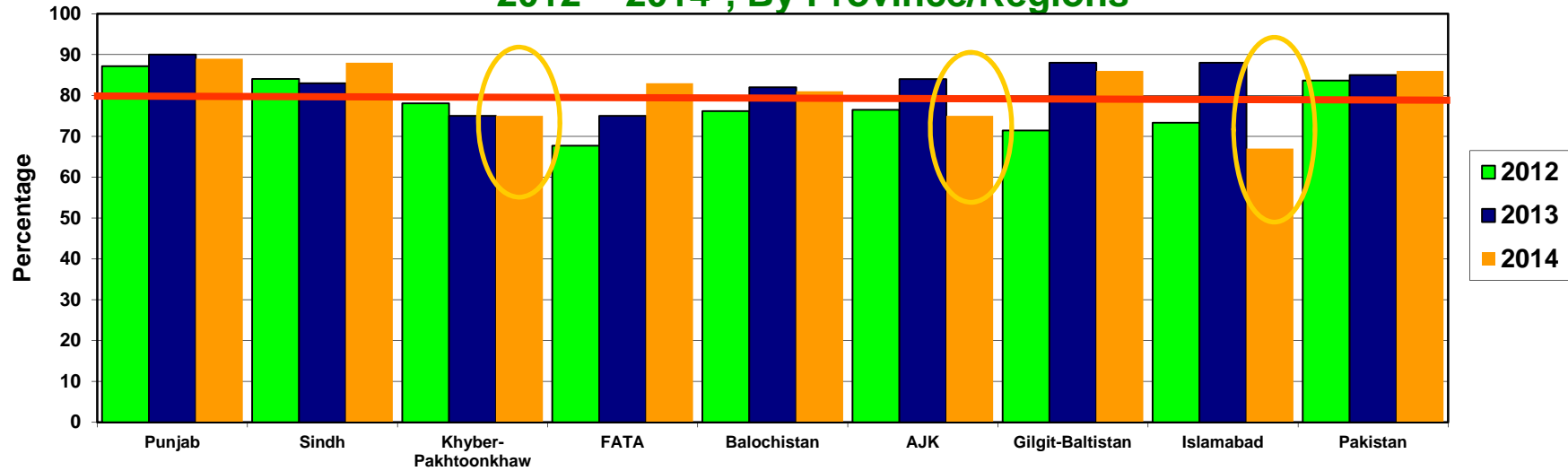
Percent AFP Cases with Adequate Specimens By Province/Regions, 2012-2014*



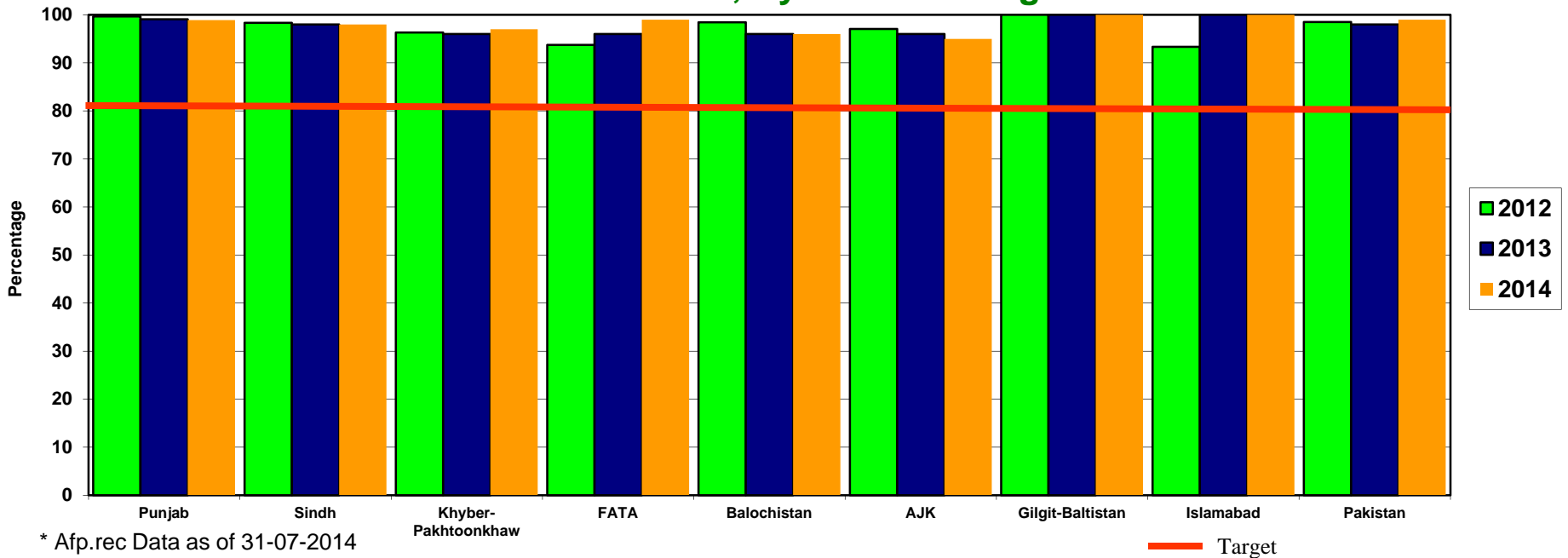
* Afp.rec Data as of 31-07-2014

Target Adequate Sample cases = 80%

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



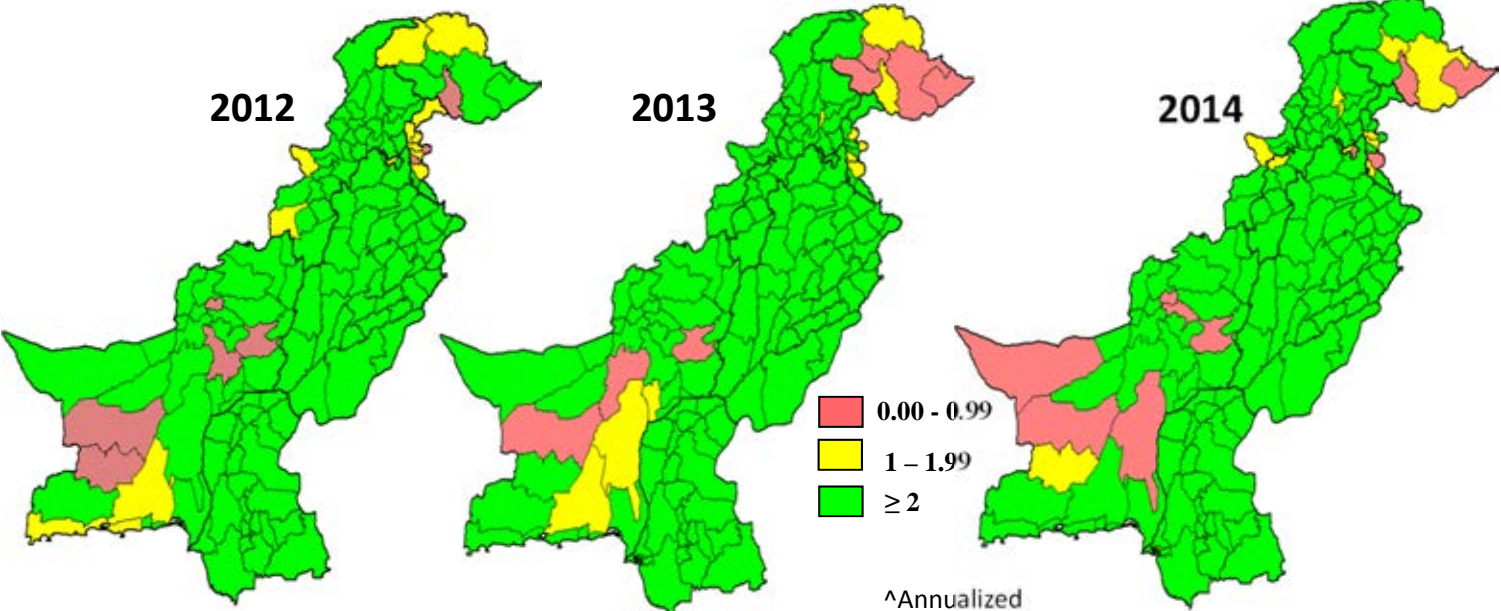
**Graph 6: Percent AFP Cases Investigated within 48 hours of notification
2012 ~ 2014*, By Province/Regions**



* Afp.rec Data as of 31-07-2014

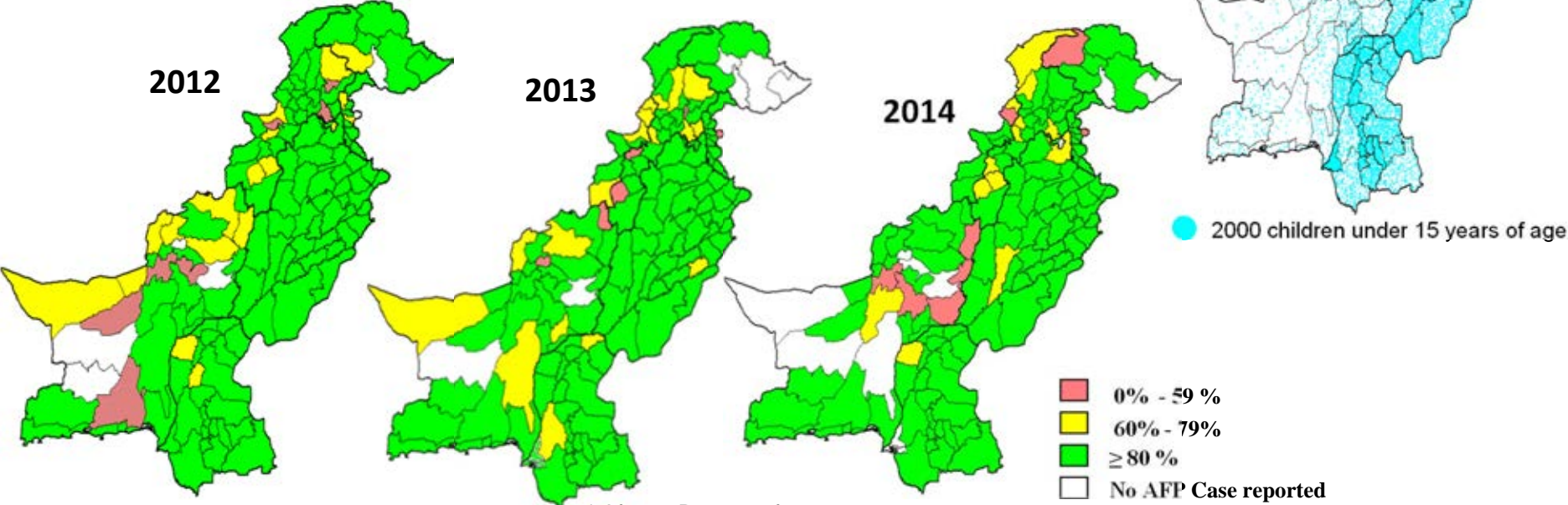
— Target

Non-Polio^ AFP Rate by District



Non Polio AFP rate Up to Week No. 29 ended on 19th July, 2014.

Percent AFP Cases with Adequate Specimens, by District



* Afp.rec Data as of 31-07-2014

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	DOSES €	DSTOOL1	DSTOOL2	LAB	FEVER	ASYM	PROG	FUP	PEND (DAYS)
1	DGKHAN	DGKHAN	PB/81/14/029	M	18	17-03-14	7+	19-03-14		NVI	Y	N	Y	DIED	136
2	FAISALABAD	FAISALABAD CITY	PB/51/14/029	M	66	15-03-14	7+	30-04-14	01-05-14	NVI	Y	N	Y	Y	138
3	GUJRANWALA	KAMOKE	PB/21/14/032	M	22	08-03-14	7+	30-04-14	01-05-14	NVI	Y	Y	Y	Y	145
4	GUJRANWALA	AROOP	PB/21/14/037	M	22	20-04-14	7+	14-05-14	15-05-14	NVI	N	Y	Y		102
5	KHANEWAL	KHANEWAL	PB/62/14/027	F	41	04-03-14	7+	Late Notified			N	Y	UK		149
6	LAYYAH	LAYYAH	PB/84/14/011	M	123	13-04-14	7+	09-05-14	11-05-14	NVI	Y	N	Y	Y	109
7	MUZFARGARH	JATOI	PB/83/14/015	M	3	11-03-14	3	25-03-14	26-03-14	VACC	Y	Y	Y	Y	142
8	MUZFARGARH	JATOI	PB/83/14/023	M	7	12-03-14	7+	25-04-14	26-04-14	NVI	Y	Y	UK	Y	141
9	MUZFARGARH	MUZFARGARH	PB/83/14/024	M	54	19-04-14	7+	26-04-14		EV	Y	N	Y		103
10	MUZFARGARH	JATOI	PB/83/14/037	F	2	19-04-14	2	16-06-14	18-06-14	NVI	N	Y	Y	Y	103
11	RAJANPUR	JAMPUR	PB/82/14/006	F	18	23-02-14	7+	Late Notified			Y	N	Y	Y	158
12	RAJANPUR	ROJHAN	PB/82/14/021	M	24	12-03-14	7+	04-04-14	05-04-14	EV	Y	Y	Y	Y	141
13	RAJANPUR	ROJHAN	PB/82/14/041	F	24	23-04-14	7+	17-05-14	18-05-14	EV	N	Y	Y	Y	99
14	RAWALPINDI	RAWALPINDI	PB/11/14/004	M	10	26-01-14	7+	12-02-14		NVI	Y	Y	Y	Y	186
15	RAWALPINDI	KALAR SYEDIAN	PB/11/14/020	M	5	04-04-14	1	20-04-14	22-04-14	NVI	N	Y	Y	Y	118
16	RAWALPINDI	RAWALPINDI	PB/11/14/024	F	21	01-05-14	7+	17-05-14	18-05-14	NVI	UK	Y	Y		91
17	VEHARI	MAILSI	PB/63/14/024	F	81	25-02-14	7+	Late Notified			Y	Y	Y		156
18	DADU	MEHAR	SD/24/14/018	F	72	19-04-14	7+	07-05-14	08-05-14	NVI	Y	Y	N	Y	103
19	JACOBABAD	JACOBABAD	SD/53/14/005	M	48	20-03-14	7+	04-04-14	06-04-14	NVI	Y	Y	Y	Y	133
20	JAMSHORO	MANJHAND	SD/25/14/011	F	6	10-04-14	5	29-04-14	01-05-14	NVI	Y	Y	Y	Y	112
21	KAMBAR	KAMBAR	SD/55/14/008	M	60	28-03-14	7+	Late Notified			Y	Y	Y	Y	125
22	KAMBAR	KAMBAR	SD/55/14/009	M	120	29-03-14	7+	02-04-14		NVI	Y	Y	Y	Y	124
23	KAMBAR	KAMBAR	SD/55/14/011	F	60	19-04-14	7+	22-04-14		NVI	Y	Y	Y	DIED	103
24	KAMBAR	MIRO KHAN	SD/55/14/013	F	108	12-04-14	7+	27-04-14	28-04-14	NVI	Y	Y	Y	Y	110
25	KASHMORE	KANDHKOT	SD/54/14/006	M	60	21-03-14	7+	21-04-14	22-04-14	NVI	N	N	Y	Y	132
26	KHAIRPUR	KHAIRPUR	SD/43/14/003	F	72	28-01-14	7+	Child Died Before Stool Collection			Y	Y	Y	DIED	184
27	KHIBALDIA	BALDIA	SD/61/14/005	F	24	15-02-14	6	Late Notified			Y	Y	Y	Y	166
28	KHIGADAP	GADAP	SD/63/14/004	M	10	05-01-14	0	05-03-14	06-03-14	EV	Y	Y	Y	Y	207
29	KHIGADAP	GADAP	SD/63/14/012	M	13	05-04-14	6	06-05-14	08-05-14	NVI	UK	UK	UK		117
30	KHIGADAP	GADAP	SD/63/14/014	M	10	28-04-14	7+	16-05-14	17-05-14	NVI	Y	Y	Y		94
31	KHIGIQBAL	G-IQBAL	SD/65/14/006	M	17	01-03-14	7+	07-04-14	08-04-14	NVI	Y	Y	Y	Y	152
32	KHIKAMARI	KAMARI	SD/67/14/003	M	3	09-04-14	1	06-05-14	08-05-14	NVI	Y	Y	Y	Y	113
33	KHIKORANGI	KORANGI	SD/68/14/001	M	23	05-01-14	7+	Child Died Before Stool Collection			N	N	N	DIED	207
34	MIRPURKHAS	SINDHRI	SD/31/14/026	F	14	09-04-14	6							Y	Y
35	UMERKOT	SAMARO	SD/34/14/002	F	24	14-01-14	7+				Y	N	Y	DIED	198
36	BANNU	BANNU	KP/61/14/020	M	12	19-04-14	7+	12-06-14	13-06-14		Y	N	Y		103
37	BATAGRAM	BATAGRAM	KP/11/14/006	M	120	01-03-14	7+	05-04-14	06-04-14	NVI	Y	Y	Y		152
38	CHARSADA	SHABQADAR	KP/31/14/018	M	40	27-04-14	7+	Late Notified			N	Y	Y		95
39	CHITRAL	CHITRAL	KP/21/14/001	M	48	22-01-14	7+	31-01-14		NVI	Y	N	Y	DIED	190
40	KOHAT	KOHAT	KP/50/14/011	F	17	05-03-14	7+	Late Notified			Y	N	Y		148
41	KOHAT	LACHI	KP/50/14/015	M	57	17-04-14	7+							Y	N
42	KOHISTAN	DASSU	KP/13/14/005	M	34	22-03-14	3	04-04-14	06-04-14	NVI	Y	Y	Y		131

€ Based on recall of parents

* Afp.rec Data as of 31-07-2014

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	DOSE€	DSTOOL1	DSTOOL2	LAB	FEVER	ASYM	PROG	FUP	PEND (DAYS)
43	LAKKIMRWT	LAKKIMRWT	KP/62/14/018	M	4	28-04-14	4	11-06-14	12-06-14	NVI	N	Y	Y	Y	94
44	LAKKIMRWT	LAKKIMRWT	KP/62/14/020	M	42	30-03-14	7+	Late Notified			N	N	Y	Y	123
45	NOWSHERA	NOWSHERA	KP/32/14/018	M	118	14-04-14	7+	12-05-14	15-05-14	NVI	N	N	Y	DIED	108
46	PESHAWAR	PESHAWAR	KP/30/14/027	F	18	12-03-14	7+	01-04-14	02-04-14	VACC	Y	Y	Y	Y	141
47	PESHAWAR	PESHAWAR	KP/30/14/039	M	48	26-03-14	7+	19-04-14	20-04-14		Y	Y	Y	Y	127
48	PESHAWAR	PESHAWAR	KP/30/14/051	F	20	26-04-14	7+	16-05-14	18-05-14	NVI	N	N	Y	Y	96
49	PESHAWAR	PESHAWAR	KP/30/14/064	F	2	18-04-14	1	Late Notified			N	Y	Y	Y	104
50	TANK	TANK	KP/63/14/002	M	18	05-02-14	7+	06-03-14	08-03-14	EV	Y	N	UK		176
51	BARKHAN	BARKHAN	BN/23/14/001	M	36	19-01-14	3	30-01-14		NVI	Y	Y	UK	DIED	193
52	BARKHAN	BARKHAN	BN/23/14/002	F	20	18-04-14	7+	06-06-14	08-06-14	NVI	Y	Y	Y		104
53	DBUGTI	DERA BUGTI	BN/35/14/001	M	33	20-01-14	7+	22-02-14	23-02-14	NVI	Y	Y	Y		192
54	JAFARABAD	JHAT PAT	BN/43/14/005	F	14	05-02-14	7+	19-02-14	21-02-14	NVI	Y	Y	Y	Y	176
55	JAFARABAD	SOHBAT PUR	BN/43/14/011	F	58	05-04-14	7+	14-05-14	16-05-14	VACC	N	Y	Y	Y	117
56	KALAT	KALAT	BN/53/14/001	M	120	01-02-14	7+	01-03-14	04-03-14	NVI	N	Y	Y	Y	180
57	SIBI	LEHRI	BN/31/14/004	F	35	28-02-14	3	26-03-14	27-03-14	NVI	Y	Y	N	Y	153
58	HAVELI	HAVELI	AJ/51/14/002	F	120	16-02-14	3	17-04-14	19-04-14	NVI	Y	N	Y	Y	165
59	GHIZER	GUPIS	GB/41/14/002	F	20	16-04-14	7+	09-05-14	11-05-14	NVI	Y	N	Y		106
60	FR BANNU	FR BANNU	FT/69/14/011	M	8	03-02-14	0	20-02-14	21-02-14	NVI	Y	Y	Y		178
61	FR BANNU	FR BANNU	FT/69/14/016	M	10	18-04-14	0	26-04-14		NVI	Y	N	Y		104
62	FR BANNU	FR BANNU	FT/69/14/020	M	21	17-02-14	0	Late Notified			Y	Y	Y	Y	164
63	WAZIR-N	MIRAN SHAH	FT/64/14/044	M	12	27-01-14	0	02-03-14	03-03-14	VACC	Y	Y	Y		185
64	WAZIR-N	MIRAN SHAH	FT/64/14/052	M	8	01-03-14	0	13-03-14		NVI	Y	Y	Y		152
65	WAZIR-N	MIR ALI	FT/64/14/065	F	12	07-04-14	2	09-04-14		NVI	Y	Y	Y		115
66	WAZIR-N	MIRAN SHAH	FT/64/14/105	F	14	12-01-14	1	24-06-14	26-06-14		Y	Y	Y		200

€ Based on recall of parents
* Afp.rec Data as of 31-07-2014

60 days Follow-up not done

FUP = Residual Weakness at 60 days follow up.