



**World Health  
Organization**

# **Weekly AFP Surveillance Update Pakistan**

**Week 29** (*Ended on 19<sup>th</sup> July, 2014*)

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Federal EPI***

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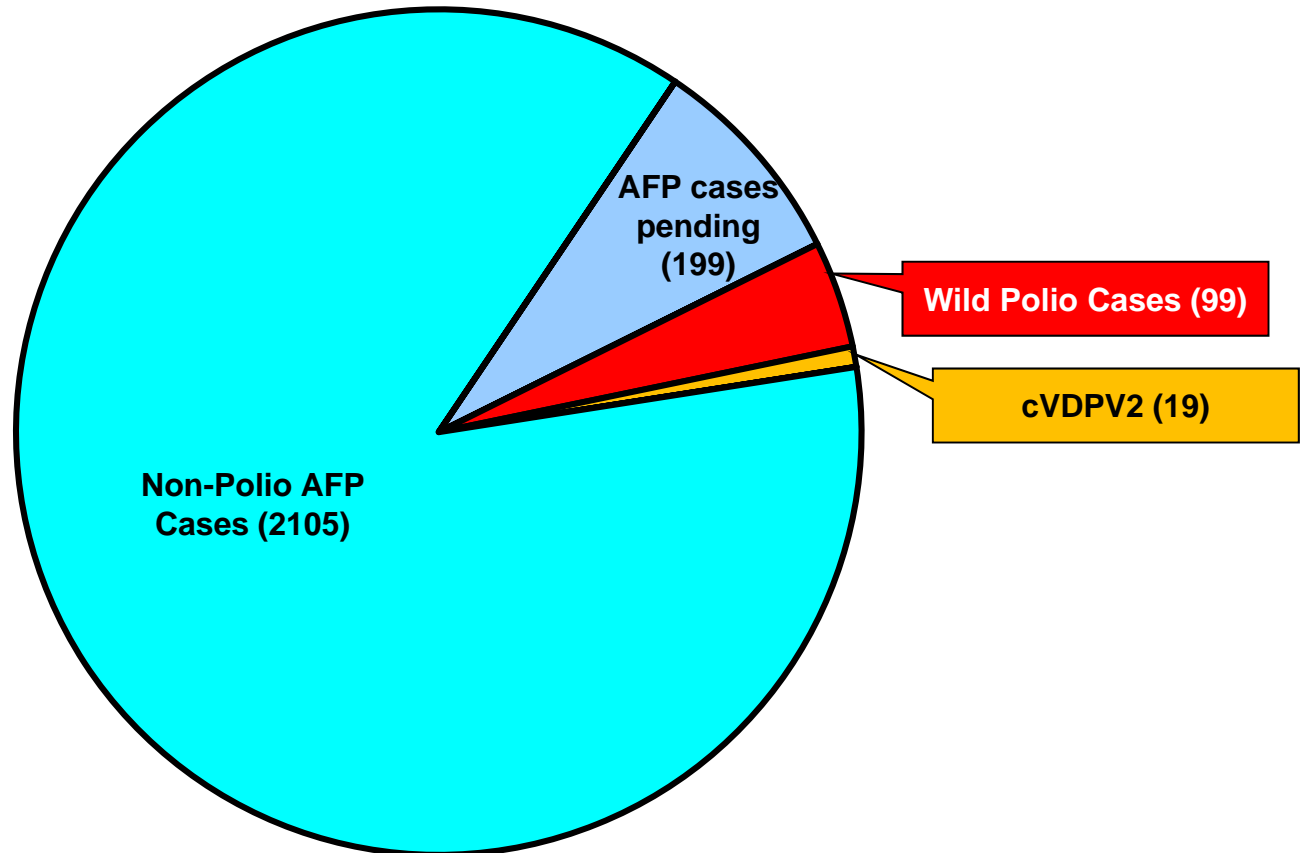
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AFP Surveillance



# AFP Case Profile, 2014\*



**Total AFP Cases Reported = 2422**

**^49 Inadequate cases pending classification by ERC;  
^75 Inadequate cases not due for FUP  
^75 Pending in the Lab**

\* Afp.rec Data as of 17-07-2014

## 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	17	4	4	24-June -14
FATA / FR Areas	14	73	3	4	28-June -14
Sindh	3	9	3	6	24-June-14
Balochistan	0	0	0	0	02-Oct-12
Punjab	2	0	2	0	12-Dec-13
<b>Pakistan</b>	<b>24</b>	<b>99</b>	<b>12</b>	<b>14</b>	<b>28-Jun-14</b>

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

\* Afp.rec Data as of 17-07-2014

***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	Asymetric 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 17-07-2014

***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	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 17-07-2014

**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 17-07-2014

***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 17-07-2014

**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
95	SINDH	KHIGADAP	GADAP	SD/63/14/022	M	21	21-June-14	0	5	Y	Y	Y	N	NSL1	
96	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/109	M	24	20-June-14	0	3	Y	Y	Y	N	NSL1	
97	KPAKHTUNKHWA	LAKIMARWAT	LAKIMARWAT	KP/62/14/021	F	24	24-June-14	0	0	Y	Y	Y	Y	NSL1	
98	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/800	F	18	24-June-14	0	0	Y	Y	Y	N	NSL1	
99	FATA	WAZIR-S	WANA	FT/65/14/012	M	18	28-June-14	0	0	Y	Y	Y	N	NSL1	

\$ Security compromised area

**New Case**

^Under investigation

\* Afp.rec Data as of 17-07-2014



**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	504	313	1	0	20	4	148	29%	16	487	97%
June	412	275	25	1	12	3	82	20%	17	369	90%
July	114	18	83	5	1	1	6	5%	0	25	22%
Pakistan	2591	1688	109	6	146	6	524	20%	99	2377	92%

\* Data as of 21-07-2014

## 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	S/As	Last 6 S/As	Last dose	By Field	By NSC%		Lab No.	Days Inoc	Culture update	
<b>Isolates pending for ITSD</b>																				
1	KABDULAH §	KABDULAH	MESSAZAI	BN/14/14/009	02-Jul-14	18	F	06-Jul-14	Y	2	0	0		Y	Y	GBS/POLIO MYELITIS	3225	3	P1	Discordant U
2	KHYBER §	BARA	MILWARD	FT/34/14/025	03-Jul-14	8	F	08-Jul-14	Y	0	1	1	28-Jun-14	Y	Y	POLIO / INU NEURITIS	3195	4	P1	Discordant U
3	KHYBER	BARA	MERA AKAKHEL	FT/34/14/026	06-Jul-14	18	F	12-Jul-14	Y	0	0	-		Y	Y	*	3273	2	L20B+	
4	WAZIR-S	WANA	DAB KOT	FT/65/14/013	09-Jul-14	21	F	12-Jul-14	Y	0	3		30-Dec-1899	Y	Y	POLIO / GBS	3287	2	L20B+	
5	PESHAWAR	PESHAWAR	PESHAWAR	KP/30/14/067	04-Jul-14	12	F	08-Jul-14	Y	0	0	0		Y	Y	TRAUMATIC NEURITIS	3174	4	L20B+	Refusal (Cross notified form Isb)
6	RAJANPUR §	JAM PUR	MUHAMMAD PUR DEWAL	PB/82/14/057	06-Jun-14	9	F	08-Jul-14		#	#		06-May-14	N		*	3256	4	SL1	Waiting rRT PCR for VDPV screening
7	RAJANPUR *	JAM PUR	MUHAMMAD	PB/82/14/057-C1		10	M	09-Jul-14	-	-	-		04-Jul-14	N	-	-	3267	7	L20B+	
8	RAJANPUR §	JAM PUR	MUHAMMAD PUR DEWAL	PB/82/14/057-C2		18	M	09-Jul-14	-	-	-		04-Jul-14	N	-	-	3268	4	SL1	Waiting rRT PCR for VDPV screening
9	RAJANPUR §	JAM PUR	MUHAMMAD PUR DEWAL	PB/82/14/057-C3		30	M	09-Jul-14	-	-	-		04-Jul-14	N	-	-	3269	4	SL1	Waiting rRT PCR for VDPV screening
<b>Reported urgent (by field / NSC% criteria)</b>																				
10	WAZIR-N *	#	#	FT/64/14/113	02-Jul-14	30	M	13-Jul-14	#	#	#	#		Y	#		3316	4	UP	
11	BANNU *	BANNU	MIRA KHEL	KP/61/14/023	03-Jun-14	18	F	07-Jul-14	N	0	0	0		Y	Y	TRAUMATIC NEURITIS/POLIO	3177	11	UP	SERVICE DELIVER ISSUES
12	MANSEHRA *	BALAKOT	GARHI	KP/14/14/027	05-Jun-14	6	F	08-Jul-14	N	3	2	2	24-Mar-14	N	Y	MENINGITIS	3208	9	UP	
13	MARDAN	MARDAN	KATLANG-1	KP/40/14/053	30-Jun-14	120	F	07-Jul-14	Y	0	4	-		Y	N	HEMIPALSY	3194	10	UP	
14	DADU *	MEHAR	BOTHRO	SD/24/14/026	02-Jul-14	8	M	08-Jul-14	Y	2	4	4	25-Mar-14	N	Y	PARAPLEGIA	3216	9	UP	
15	KHISITE *	#	#	SD/78/14/007	22-Jun-14	16	M	09-Jul-14	#	#	#	#		Y	#		3253	7	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



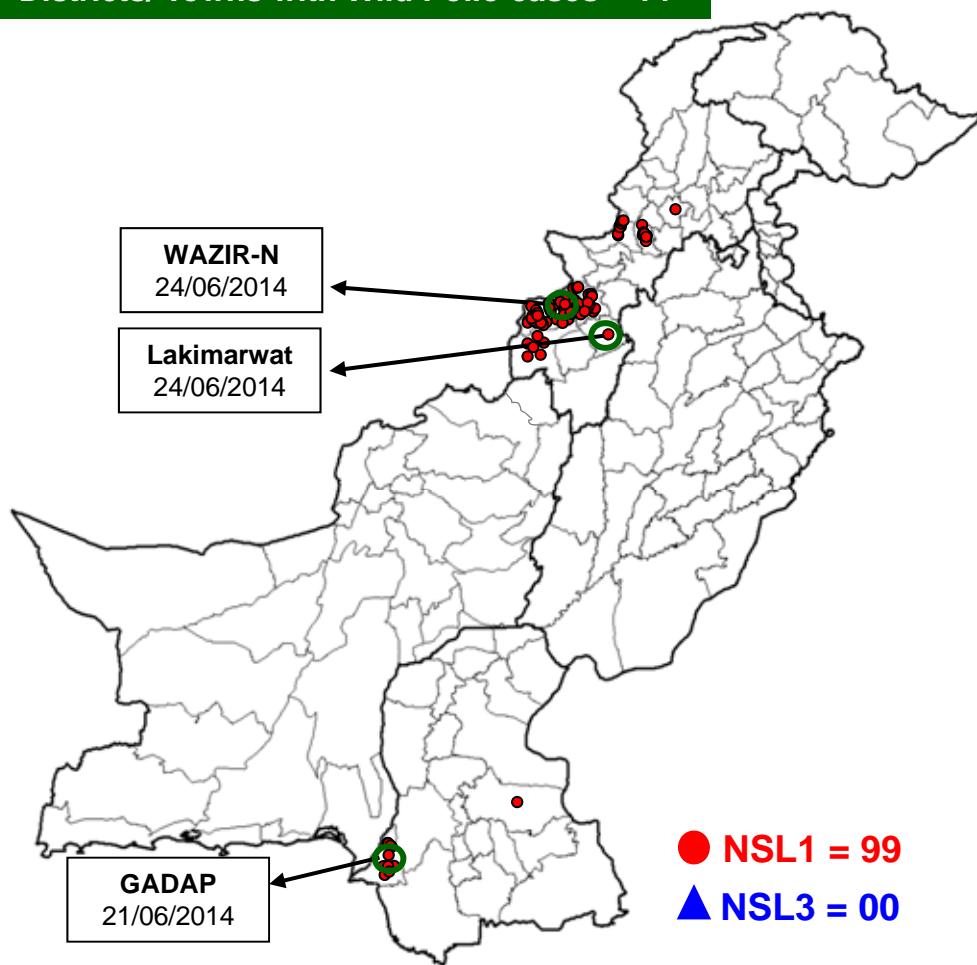
## Comparison environmental sampling results 2013-14

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%	-
<b>PAKISTAN</b>	<b>174</b>	<b>24</b>	<b>14%</b>	<b>172</b>	<b>54</b>	<b>31%</b>	<b>24-Jun-14</b>

*Data source Polio RRL*

# Map1: Distribution of Wild Polio cases Pakistan 2014\*

Districts/ Towns with Wild Polio cases = 14



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	June, 2014	Oct, 2010	17	-
FATA	June, 2014	Apr, 2012	73	-
BALUCHISTAN	Oct, 2012	Apr, 2010	-	-
AJK	June, 2000	Jun, 2000	-	-
GILGIT-BALTISTAN	Aug, 2012	-	-	-
ISLAMABAD	Sep, 2008	Sep, 2008	-	-
<b>PAKISTAN</b>	<b>June, 2014</b>	<b>Apr, 2012</b>	<b>99</b>	<b>-</b>

○ District with last polio case in province

Cases randomly placed  
in districts

Provincial Boundary  
 Districts Boundary

\* Afp.rec Data as of 17-07-2014

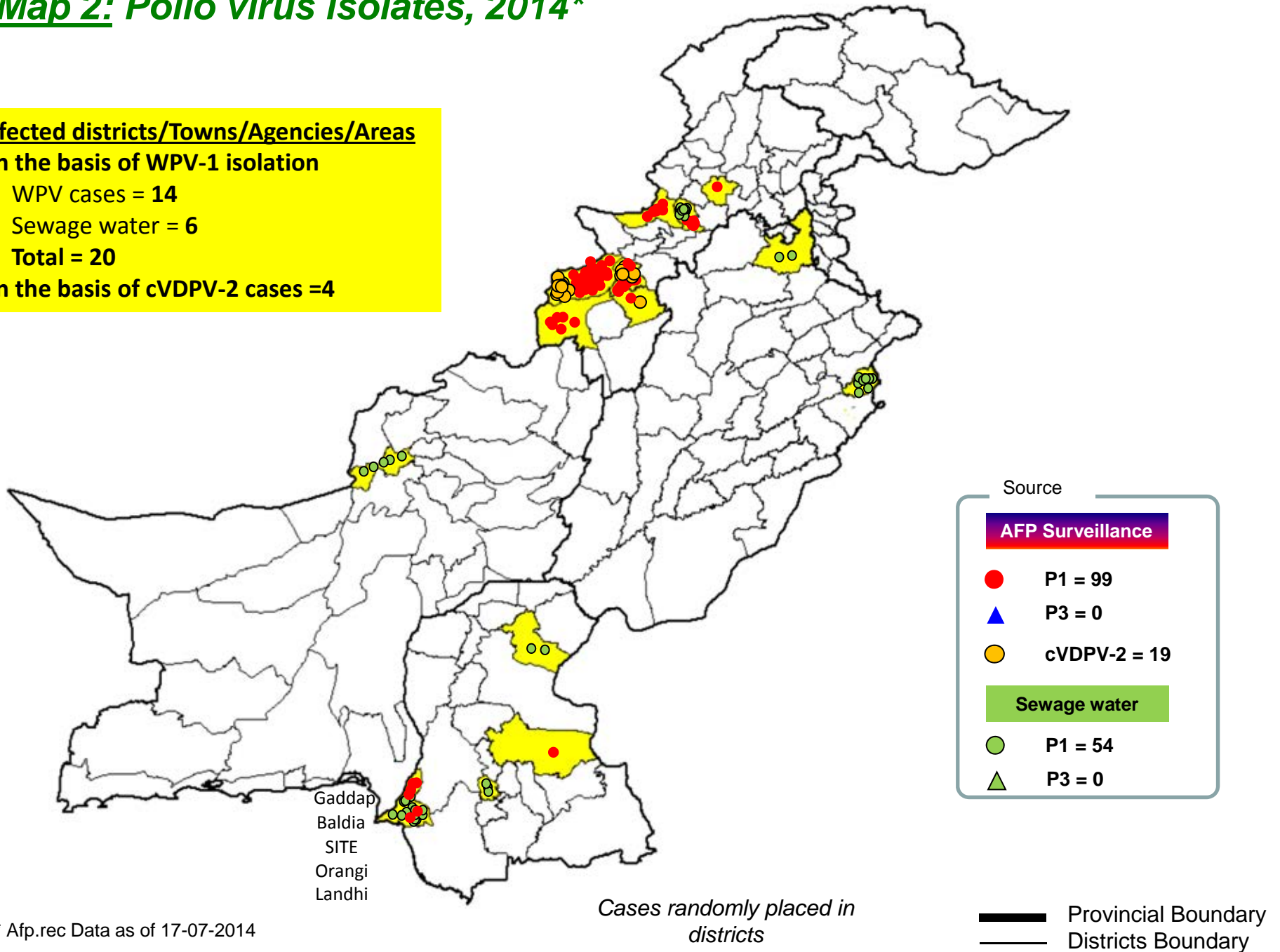
## Map 2: Polio virus isolates, 2014\*

### Infected districts/Towns/Agencies/Areas

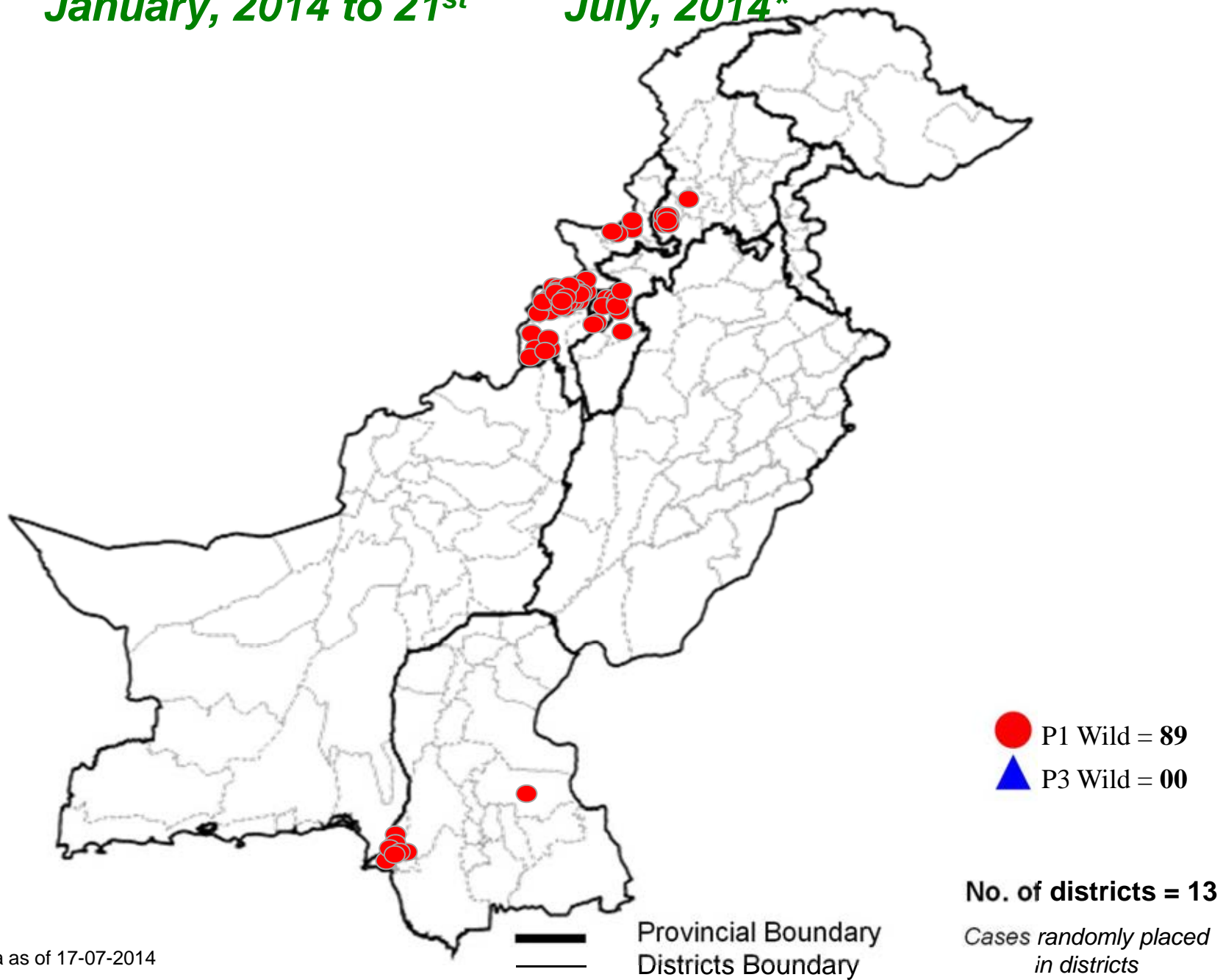
On the basis of WPV-1 isolation

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

On the basis of cVDPV-2 cases = 4



**Map 3: Wild Polio cases in the last 6 months from**  
**22<sup>nd</sup> January, 2014 to 21<sup>st</sup> July, 2014\***



\* Afp.rec Data as of 17-07-2014

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

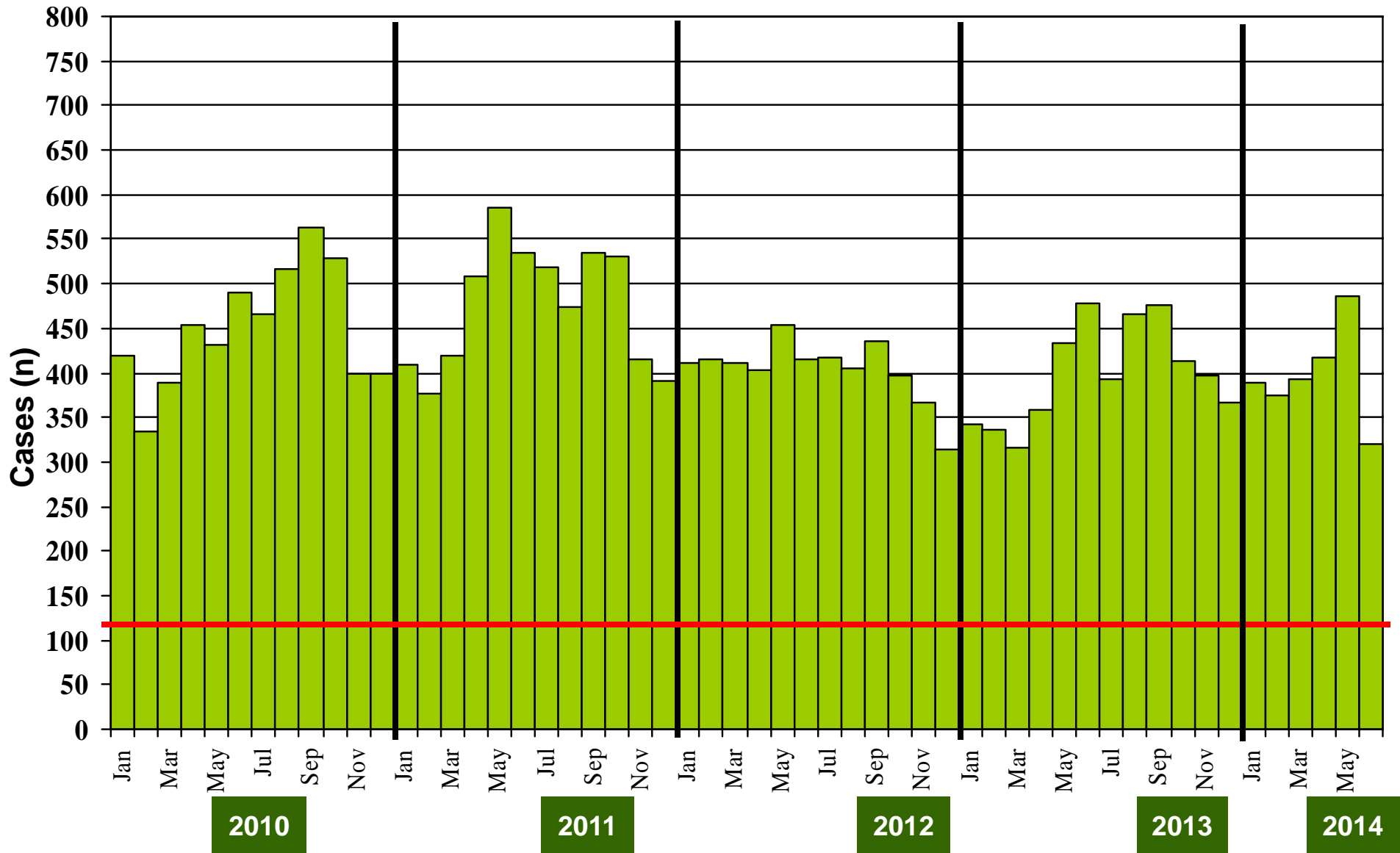
PROVINCE	W 14 05 Apr 2014	W 15 12 Apr 2014	W 16 19 Apr 2014	W 17 26 Apr 2014	W 18 03 May 2014	W 19 10 May 2014	W 20 17 May 2014	W 21 24 May 2014	W 22 31 May 2014	W 23 07 June 2014	W 24 14 June 2014	W 25 21 June 2014	W 26 28 June 2014	W 27 05 July 2014	W 28 12 July 2014
PUNJAB	108	96	183	165	162	198	174	176	179	164	181	142	115	88	28
SINDH	75	72	63	57	66	53	87	45	30	56	59	51	43	25	10
KP	50	45	74	72	69	47	42	72	55	60	32	51	41	30	6
FATA	18	24	15	24	27	24	33	18	27	18	12	9	10	2	6
BALUCHISTAN	3	3	3	18	13	18	6	18	6	15	12	9	10	10	12
AJK	0	0	0	0	0	0	3	6	6	0	3	3	5	0	2
GILGIT BILTISTAN	0	0	6	0	0	0	0	3	3	0	0	3	0	0	0
ISLAMABAD	0	0	0	3	0	0	0	3	0	0	0	0	2	2	0
<b>PAKISTAN</b>	<b>254</b>	<b>240</b>	<b>344</b>	<b>339</b>	<b>337</b>	<b>340</b>	<b>345</b>	<b>341</b>	<b>306</b>	<b>313</b>	<b>299</b>	<b>268</b>	<b>226</b>	<b>157</b>	<b>64</b>

\* Afp.rec & Afplab.rec: Data as of 17-07-2014

^ MMWR Epidemiological Weeks



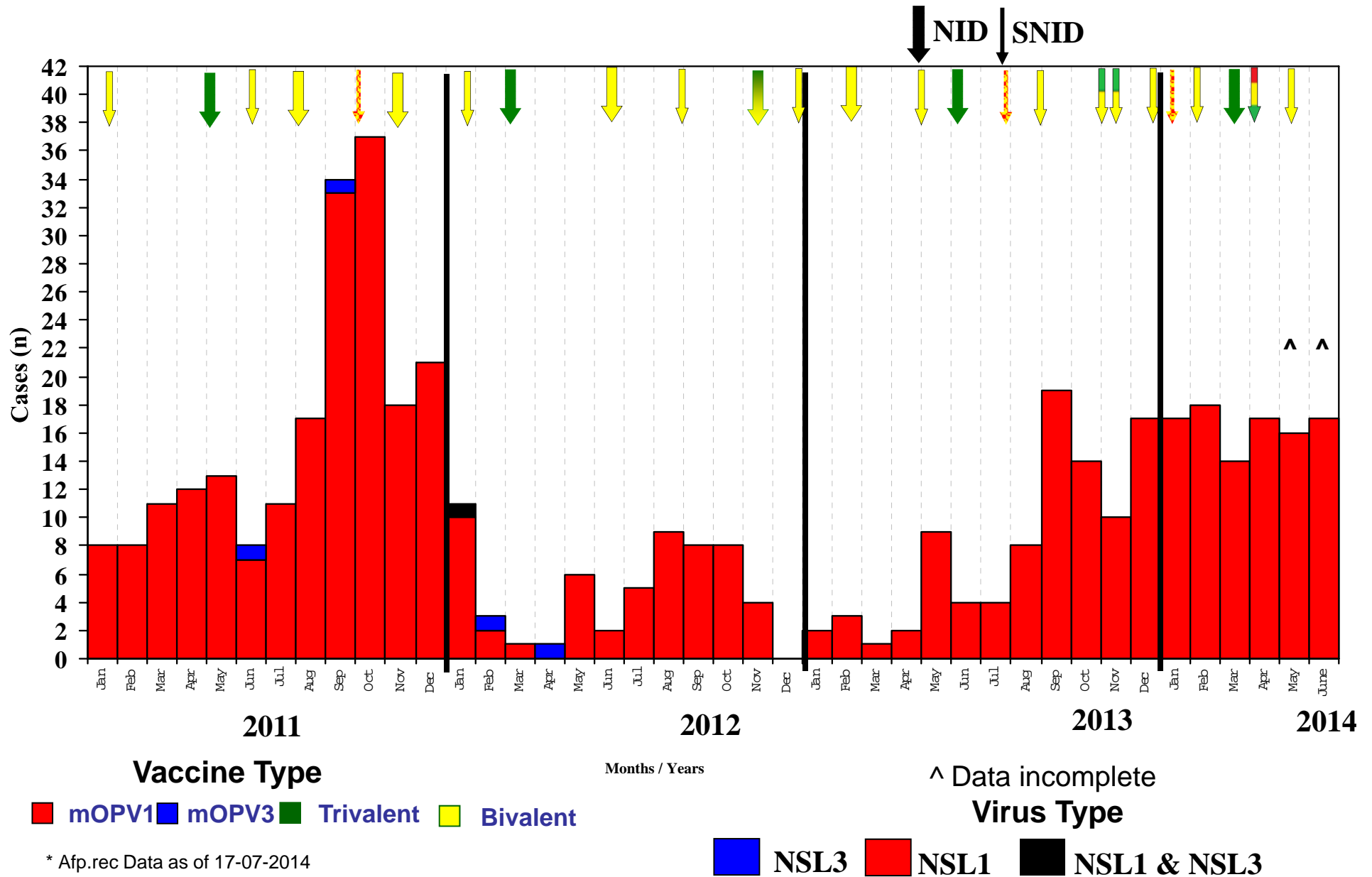
**Graph 1: Distribution of AFP Cases by Month, Pakistan 2010-2014\***



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

\* Afp.rec Data as of 17-07-2014

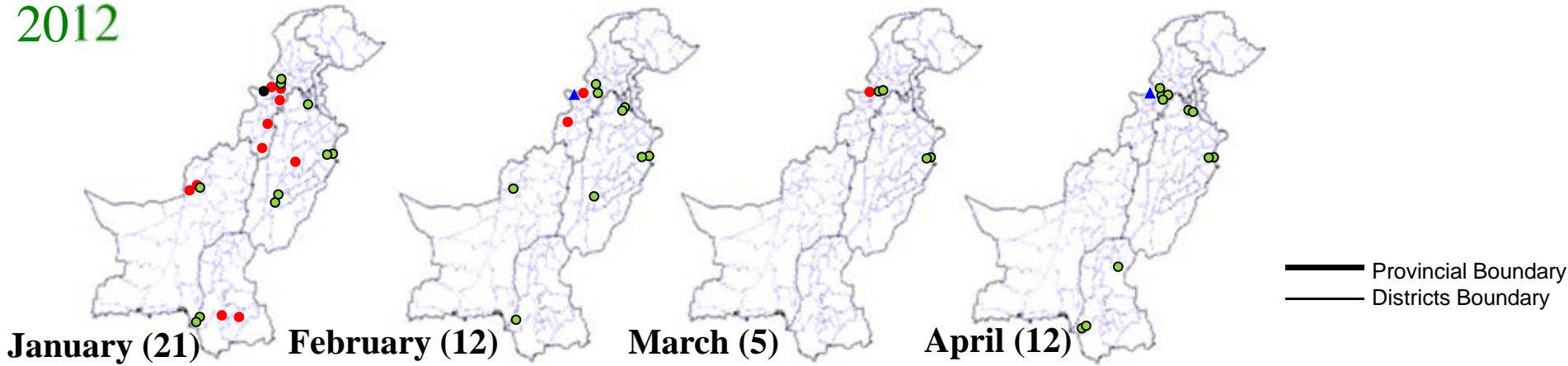
# Confirmed Polio Cases By Poliovirus Type, 2011-2014\*



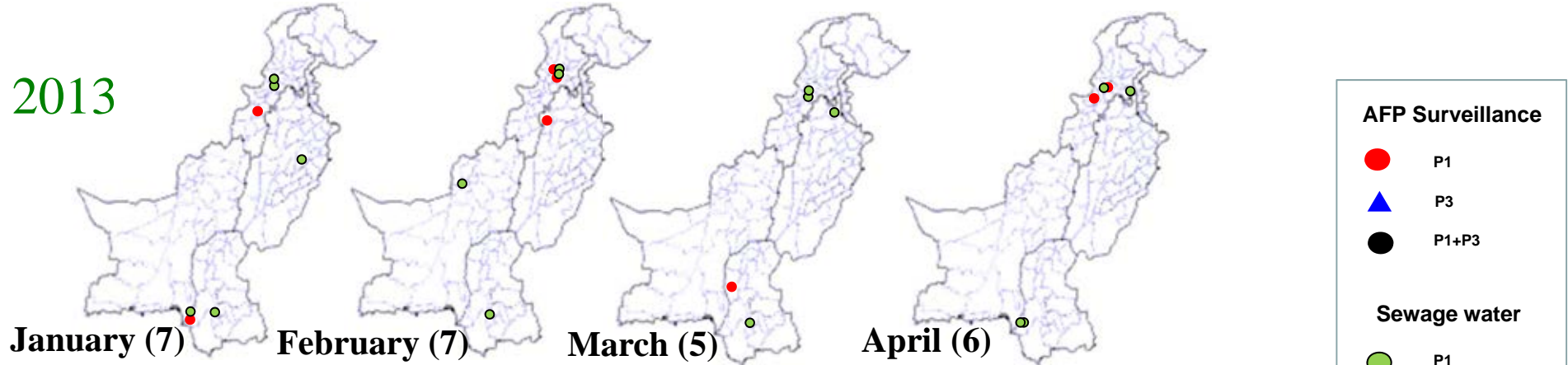
\* Afp.rec Data as of 17-07-2014

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

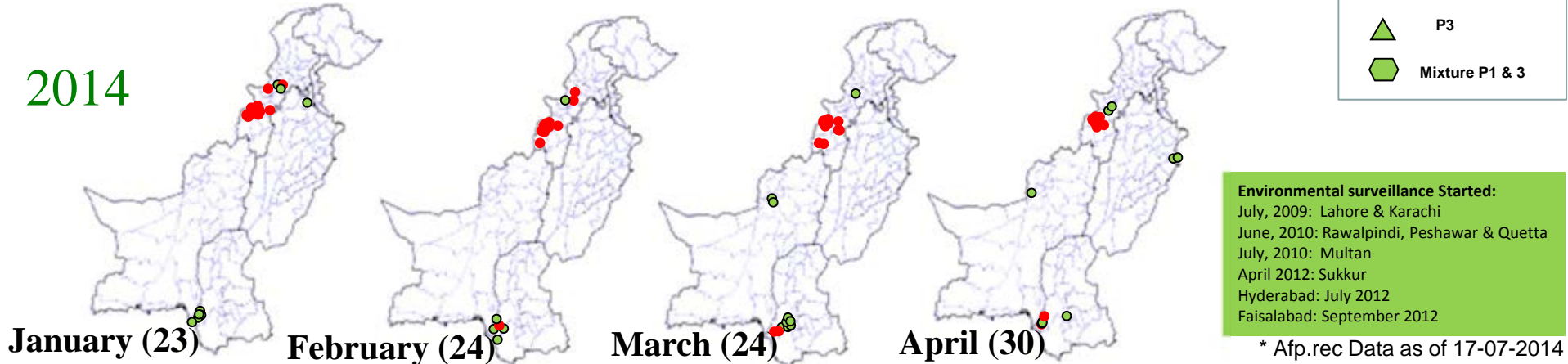
2012



2013



2014



**AFP Surveillance**

- P1
- ▲ P3
- P1+P3

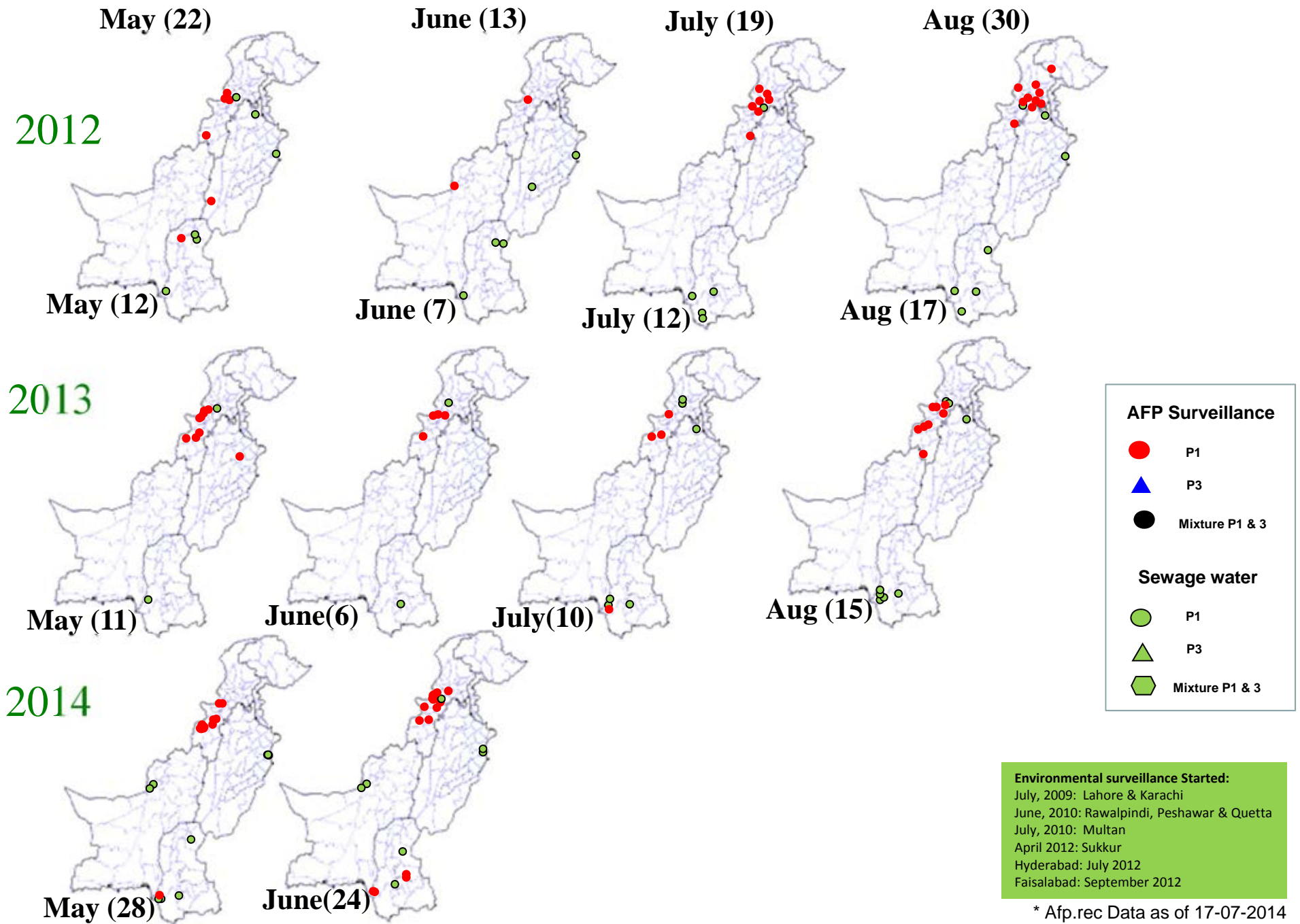
**Sewage water**

- 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

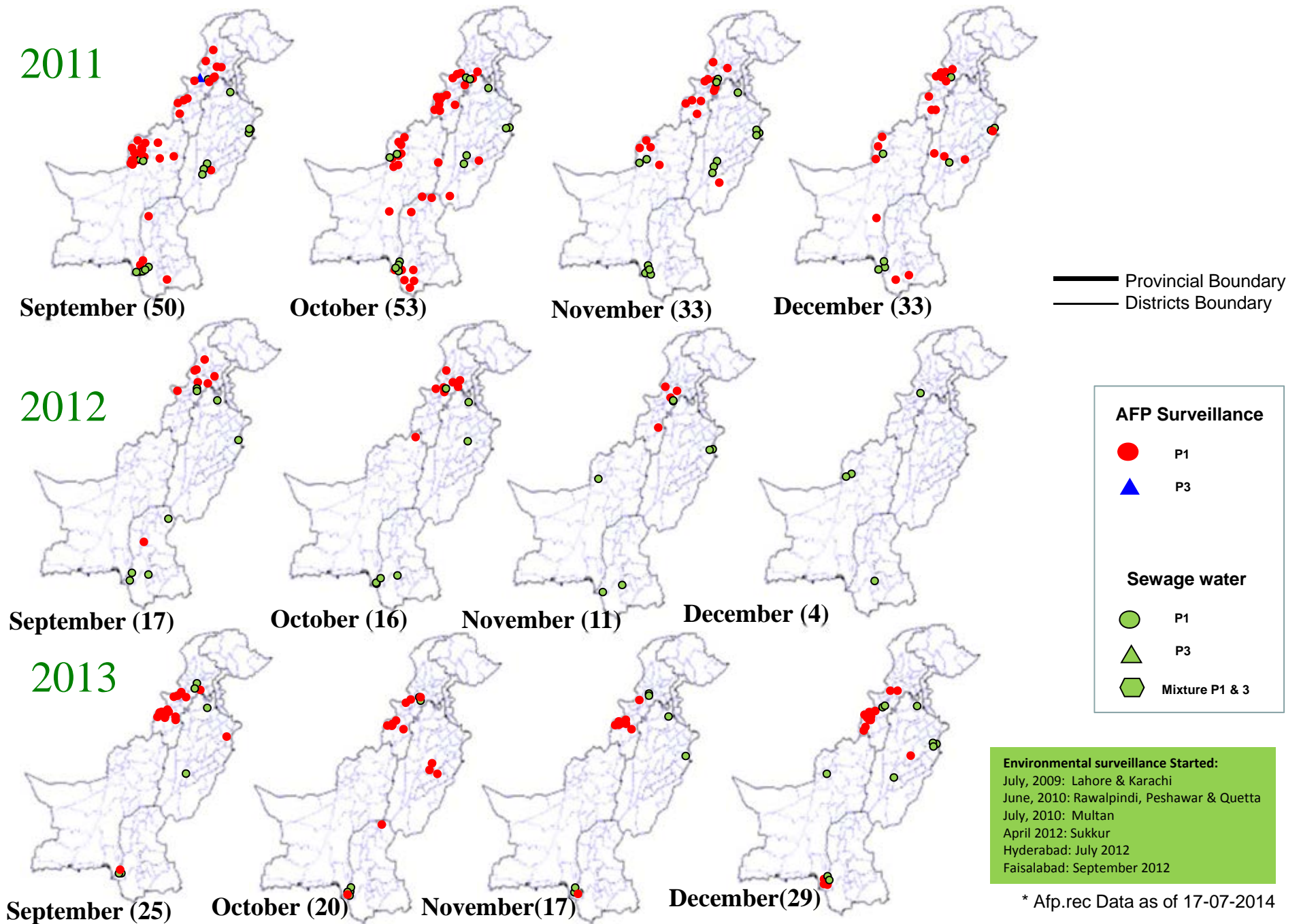
\* Afp.rec Data as of 17-07-2014

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



\* Afp.rec Data as of 17-07-2014

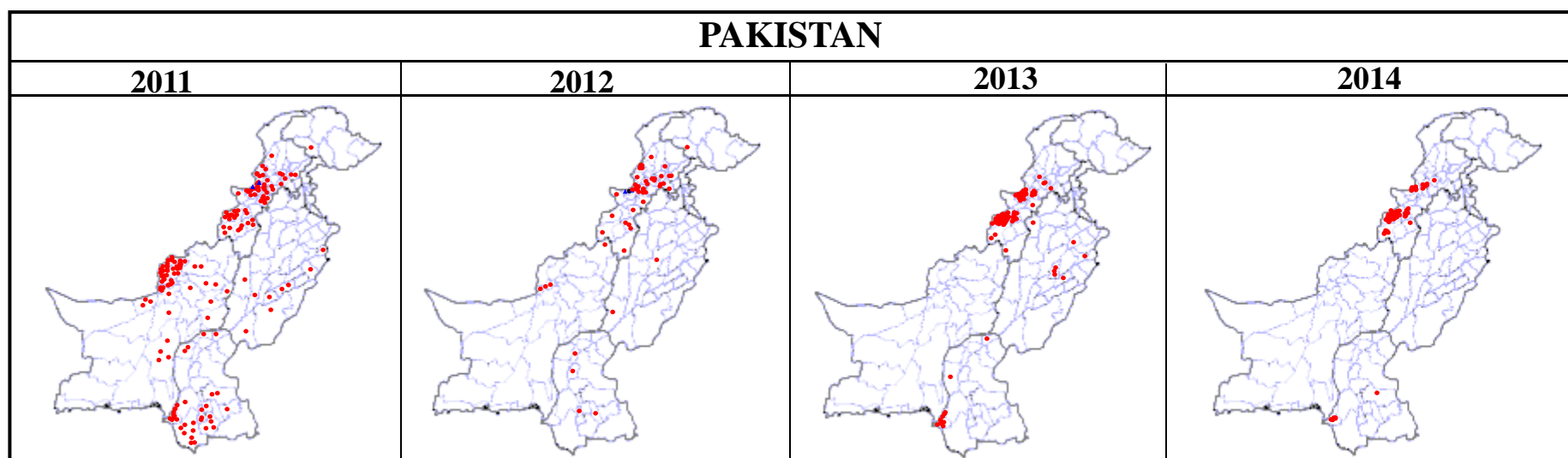
# Map 4.2: Monthly Comparison of P1 & P3 Polio Cases/Isolates 2011-2013\*



## 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	17	0	-	-	-	23	27	11	17
FATA^	57	17	65	73	2	2	-	-	59	20^	65	73
BALUCHISTAN	73	4	-	-	0	-	-	-	73	4	-	-
AJK	0	-	-	-	0	-	-	-	0	-	-	-
Gilgit-Baltistan	1	1	-	-	0	-	-	-	1	1	-	-
ISLAMABAD	0	-	-	-	0	-	-	-	0	-	-	-
<b>PAKISTAN</b>	<b>196</b>	<b>55</b>	<b>93</b>	<b>99</b>	<b>2</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>198</b>	<b>58</b>	<b>93</b>	<b>99</b>

^ FATA reported mixture of NSL1 & NSL3



\* Afp.rec Data as of 17-07-2014

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

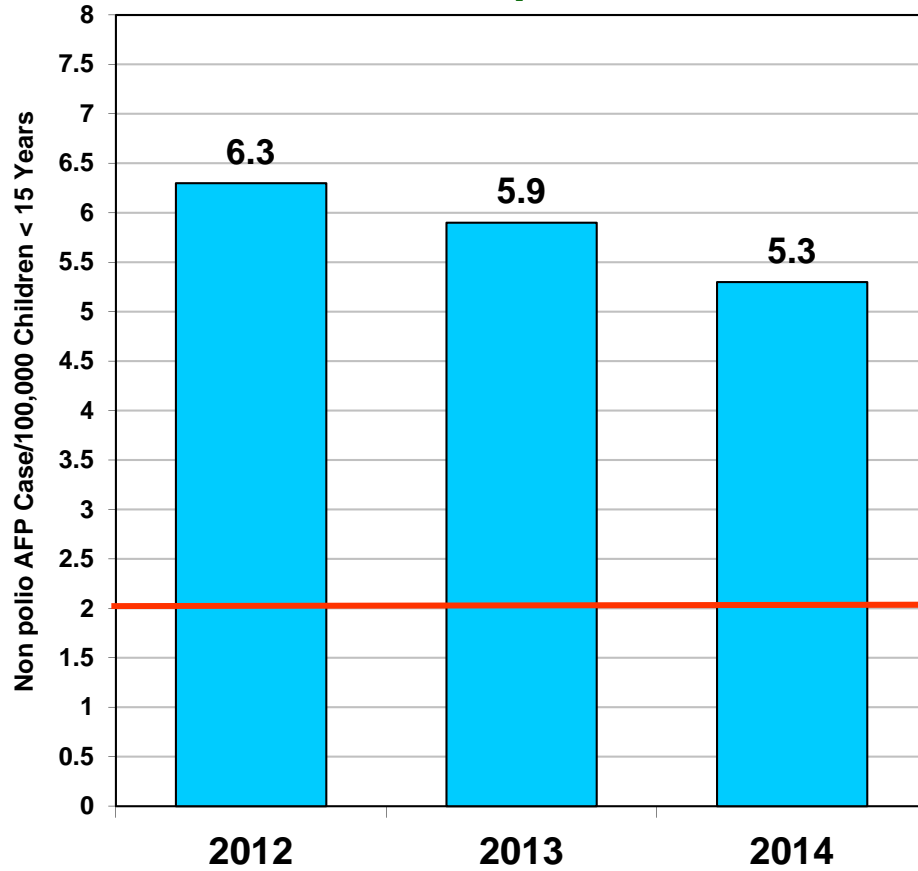
REGION	0 dose				1-2 doses				3 doses				4-6 doses				7+ doses			
	11	12	13	14	11	12	13	14	11	12	13	14	11	12	13	14	11	12	13	14
Central Punjab	0%	0%	0%	0%	1%	0%	0%	0%	2%	0%	1%	1%	6%	4%	7%	3%	92%	95%	91%	95%
North Punjab	0%	0%	0%	0%	1%	0%	0%	1%	1%	0%	0%	1%	5%	4%	4%	4%	93%	96%	96%	94%
South Punjab	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	5%	4%	5%	1%	93%	96%	94%	99%
<b>PUNJAB</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>1%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>1%</b>	<b>0%</b>	<b>0%</b>	<b>1%</b>	<b>5%</b>	<b>4%</b>	<b>6%</b>	<b>3%</b>	<b>93%</b>	<b>96%</b>	<b>93%</b>	<b>96%</b>
Karachi	4%	1%	1%	7%	1%	1%	5%	4%	0%	2%	0%	3%	6%	6%	6%	4%	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%	8%	96%	93%	91%	92%
<b>SINDH</b>	<b>1%</b>	<b>0%</b>	<b>0%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>	<b>0%</b>	<b>1%</b>	<b>0%</b>	<b>1%</b>	<b>6%</b>	<b>4%</b>	<b>5%</b>	<b>6%</b>	<b>92%</b>	<b>93%</b>	<b>92%</b>	<b>91%</b>
Central Khyber Pakhtunkhwa	1%	2%	2%	1%	1%	1%	1%	1%	0%	0%	1%	1%	3%	2%	2%	4%	95%	95%	95%	92%
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%	3%	4%	1%	0%	2%	4%	1%	1%	0%	7%	9%	4%	3%	83%	87%	95%	92%
<b>Khyber Pakhtunkhwa</b>	<b>1%</b>	<b>2%</b>	<b>1%</b>	<b>2%</b>	<b>2%</b>	<b>1%</b>	<b>0%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>	<b>5%</b>	<b>6%</b>	<b>4%</b>	<b>5%</b>	<b>91%</b>	<b>89%</b>	<b>94%</b>	<b>90%</b>
<b>FATA</b>	<b>14%</b>	<b>18%</b>	<b>39%</b>	<b>52%</b>	<b>10%</b>	<b>6%</b>	<b>6%</b>	<b>10%</b>	<b>5%</b>	<b>3%</b>	<b>6%</b>	<b>2%</b>	<b>11%</b>	<b>12%</b>	<b>6%</b>	<b>1%</b>	<b>61%</b>	<b>62%</b>	<b>43%</b>	<b>35%</b>
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%	15%	5%	5%	5%	0%	10%	10%	25%	20%	76%	70%	60%	65%
<b>BALUCHISTAN</b>	<b>16%</b>	<b>8%</b>	<b>6%</b>	<b>1%</b>	<b>6%</b>	<b>8%</b>	<b>6%</b>	<b>6%</b>	<b>6%</b>	<b>3%</b>	<b>4%</b>	<b>4%</b>	<b>12%</b>	<b>17%</b>	<b>20%</b>	<b>10%</b>	<b>60%</b>	<b>64%</b>	<b>64%</b>	<b>79%</b>
<b>PAKISTAN</b>	<b>2%</b>	<b>1%</b>	<b>3%</b>	<b>3%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>	<b>6%</b>	<b>5%</b>	<b>6%</b>	<b>4%</b>	<b>89%</b>	<b>92%</b>	<b>89%</b>	<b>90%</b>

\* Afp.rec Data as of 17-07-2014

# Key Surveillance Indicators; 2012-2014\*

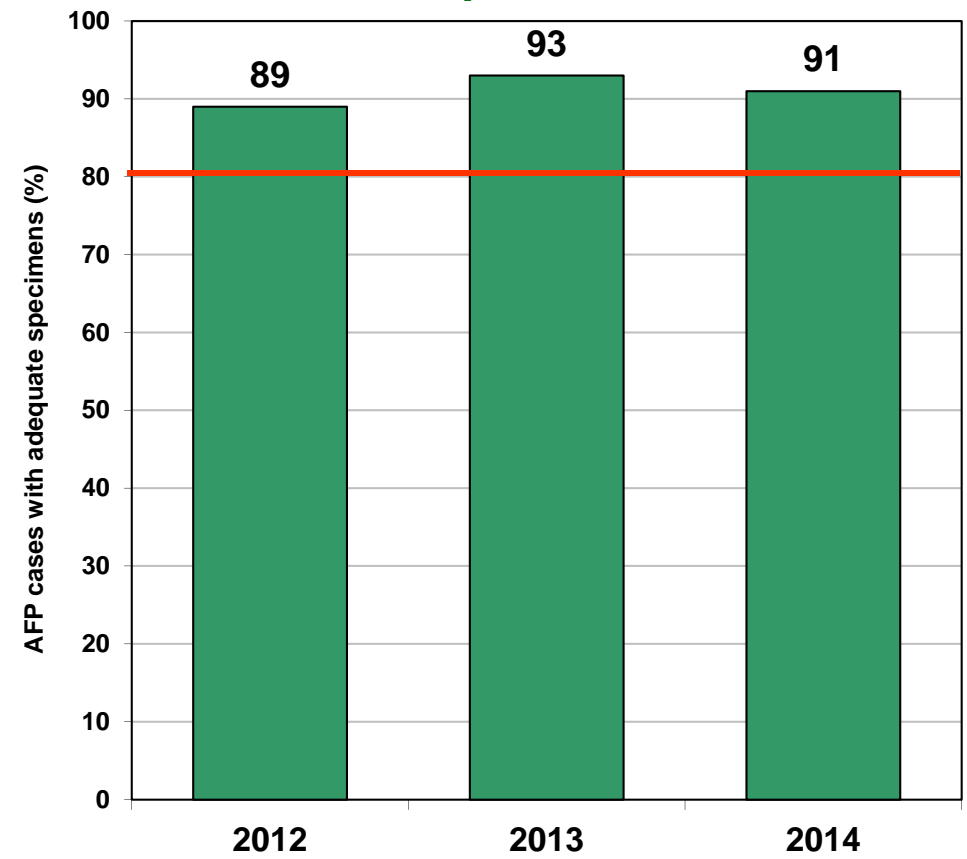
(Non polio AFP rate and % AFP cases with adequate specimens)

### Graph 3



■ Non Polio AFP Rate

### Graph 4



■ % AFP with Adequate Specimens

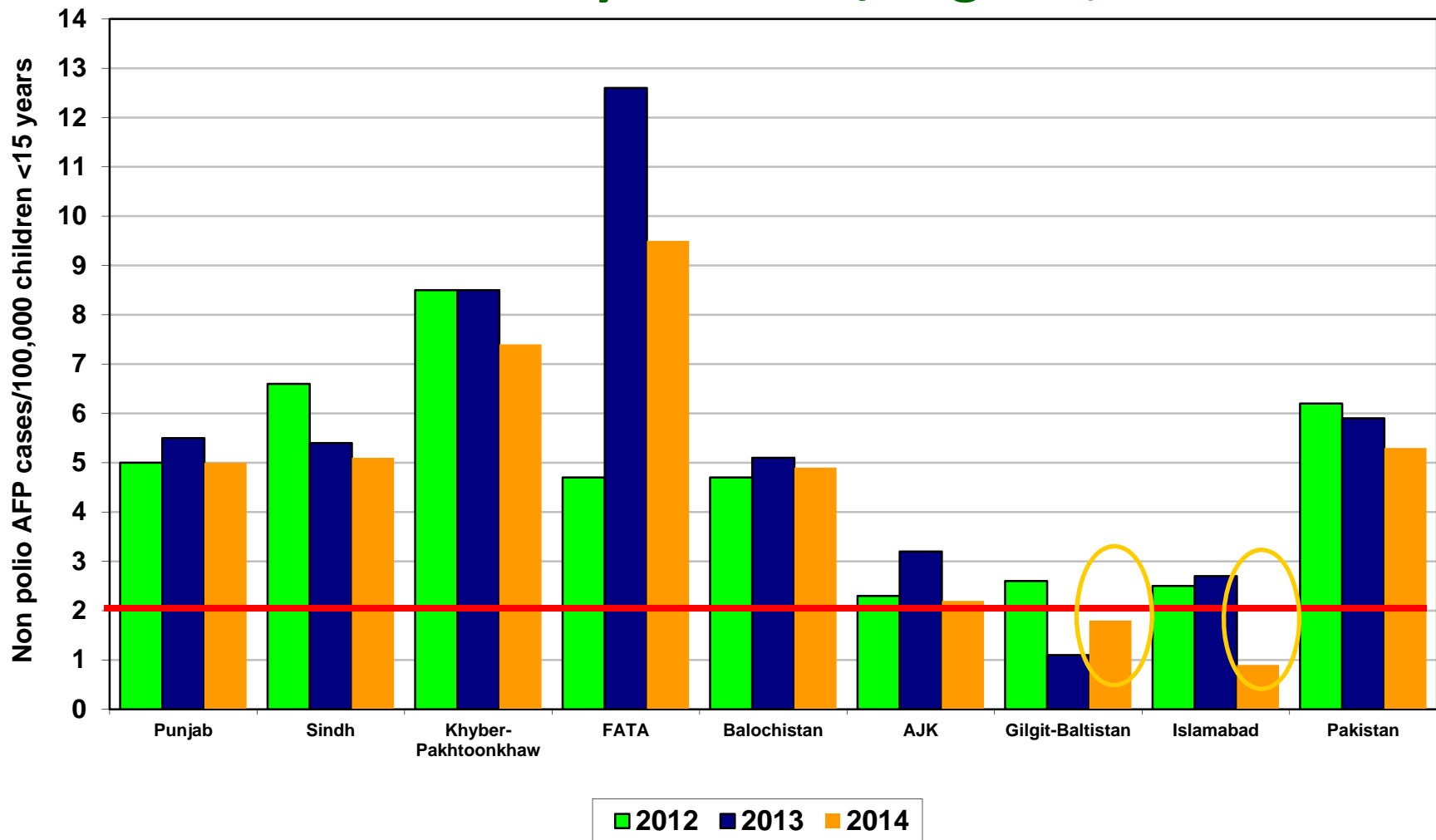
— Target

Non Polio AFP rate Up to Week No. 28 ended on 12<sup>th</sup> July, 2014

\* Afp.rec Data as of 17-07-2014



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

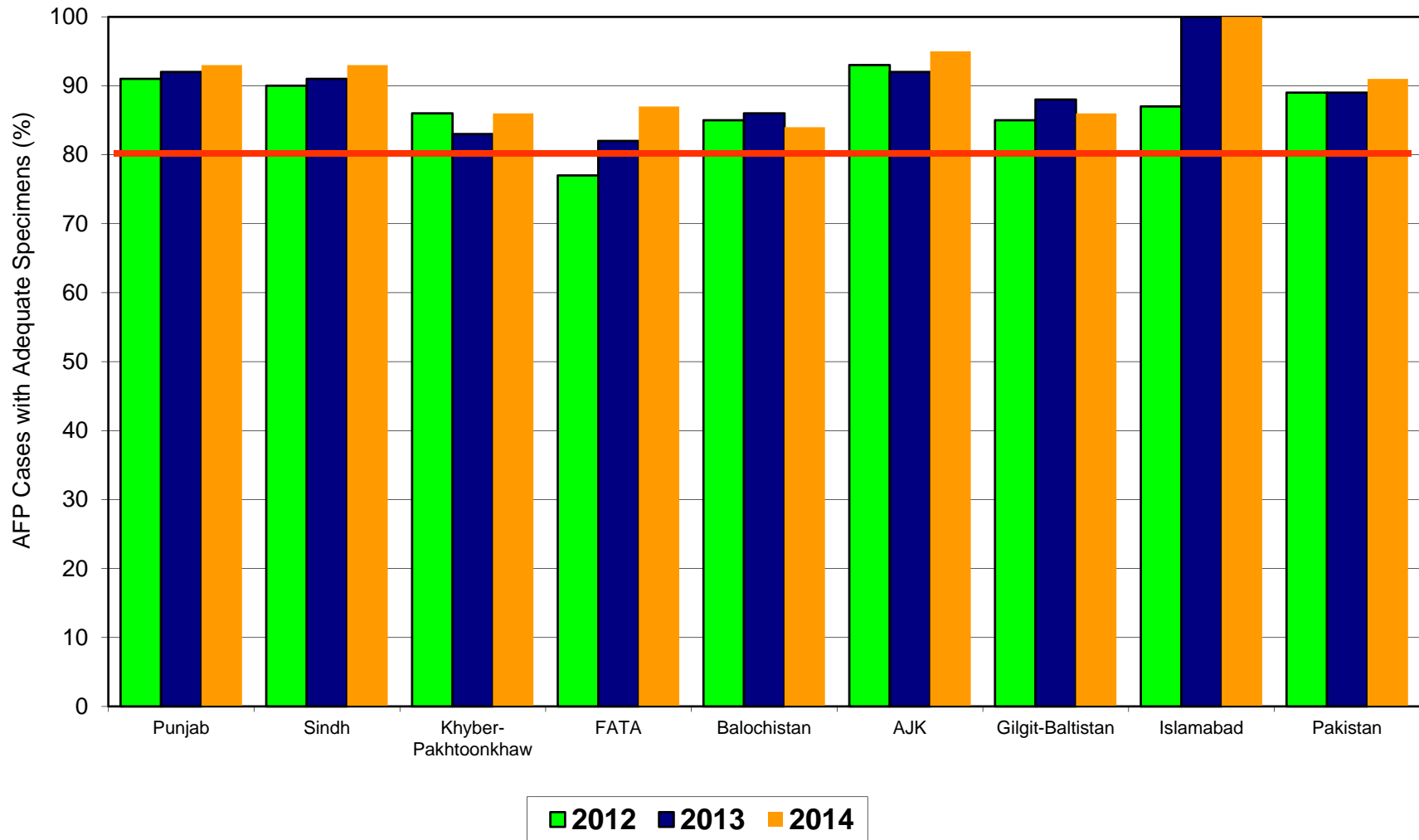


Non Polio AFP rate Up to Week No. 28 ended on 012<sup>h</sup> July, 2014

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

\* Afp.rec Data as of 17-07-2014

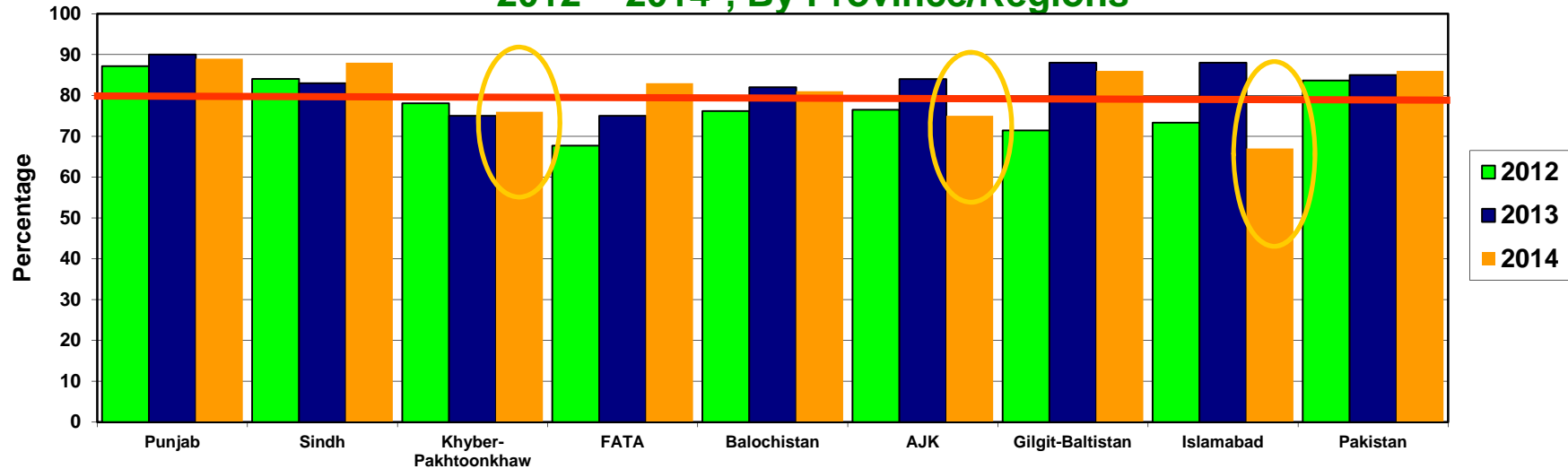
# Percent AFP Cases with Adequate Specimens By Province/Regions, 2012-2014\*



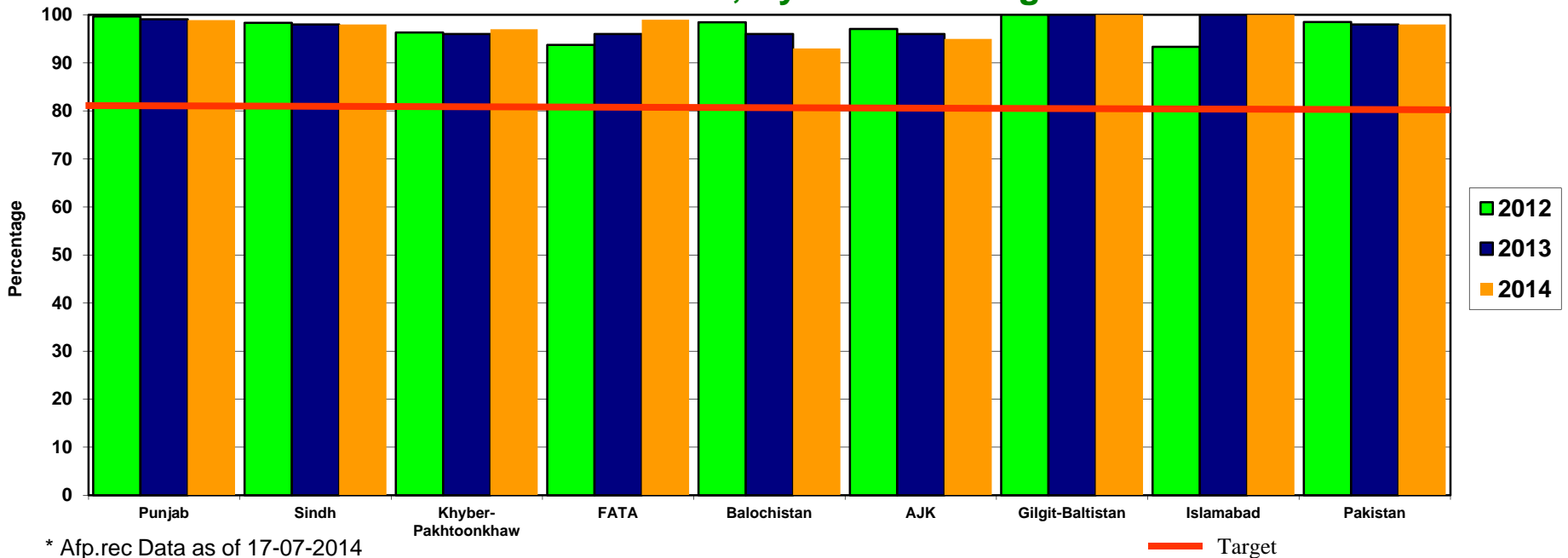
\* Afp.rec Data as of 17-07-2014

Target Adequate Sample cases = 80%

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



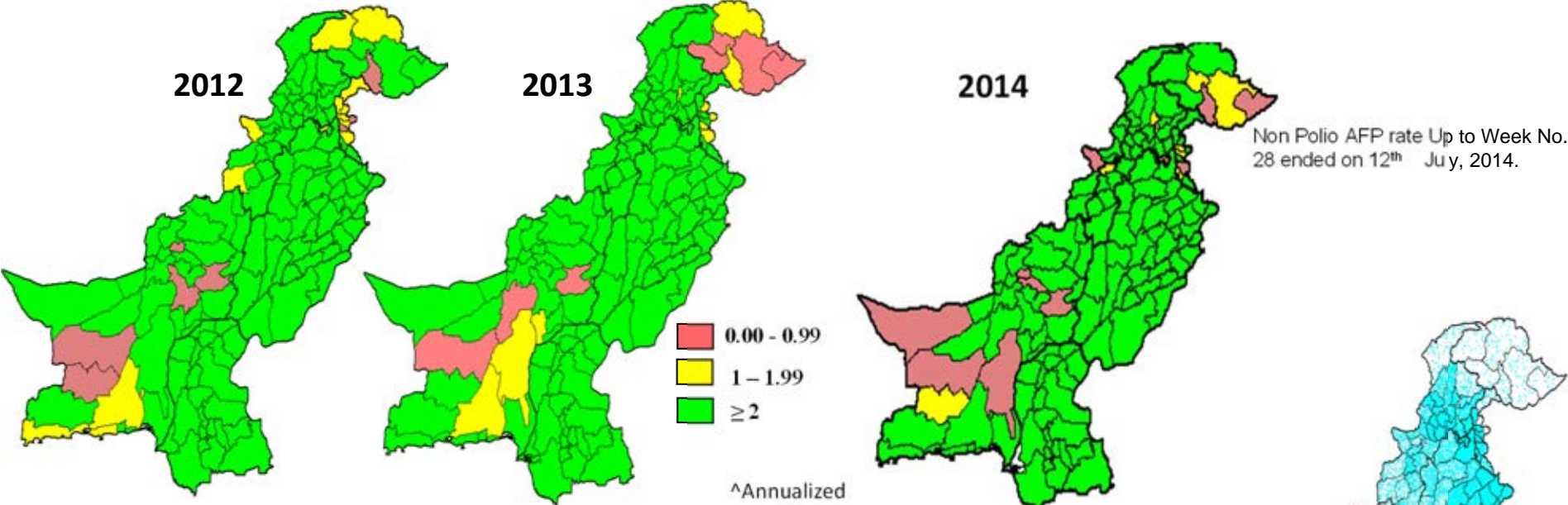
**Graph 6: Percent AFP Cases Investigated within 48 hours of notification  
2012 ~ 2014\*, By Province/Regions**



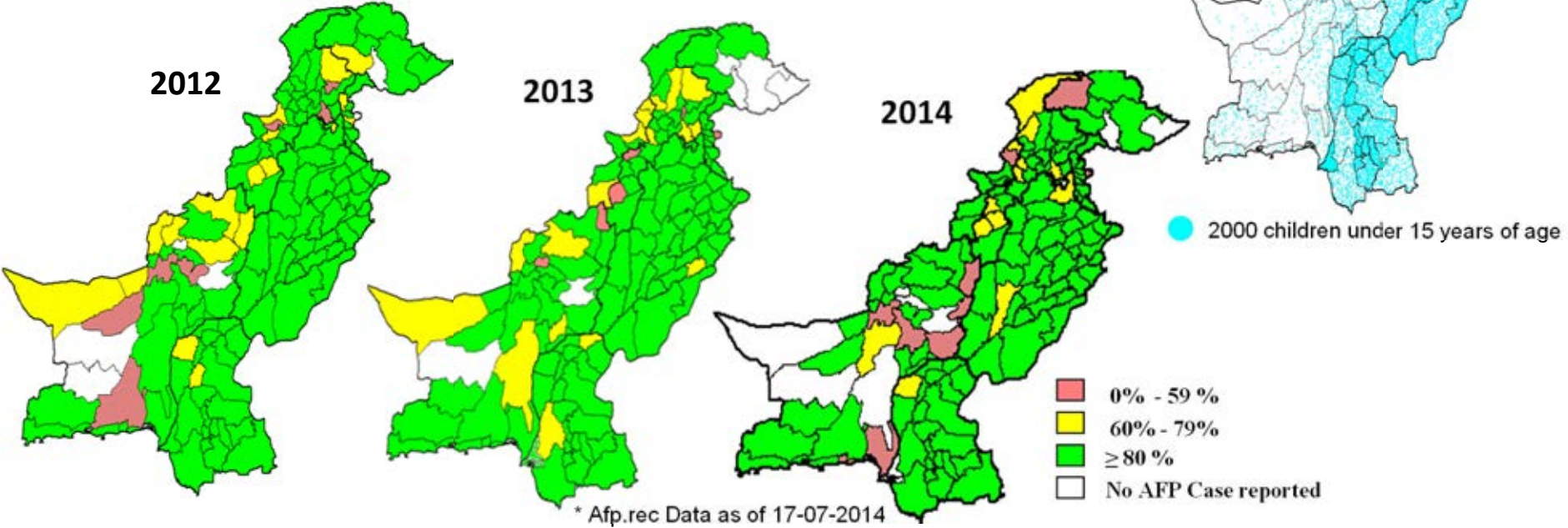
\* Afp.rec Data as of 17-07-2014

— 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	DOSE€	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	122
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	124
3	GUJRANWALA	KAMOKE	PB/21/14/032	M	22	3/8/2014	7+	4/30/2014	5/1/2014	NVI	Y	Y	Y	Y	131
4	KHANEWAL	KHANEWAL	PB/62/14/027	F	41	3/4/2014	7+	Late Notified			N	Y	UK		135
5	LAYYAH	LAYYAH	PB/84/14/011	M	123	4/13/2014	7+	5/9/2014	5/11/2014	NVI	Y	N	Y	Y	95
6	MUZFARGARH	JATOI	PB/83/14/015	M	3	3/11/2014	3	3/25/2014	3/26/2014	VACC	Y	Y	Y	Y	128
7	MUZFARGARH	JATOI	PB/83/14/023	M	7	3/12/2014	7+	4/25/2014	4/26/2014	NVI	Y	Y	UK	Y	127
8	RAJANPUR	JAMPUR	PB/82/14/006	F	18	2/23/2014	7+	Late Notified			Y	N	Y	Y	144
9	RAJANPUR	ROJHAN	PB/82/14/021	M	24	3/12/2014	7+	4/4/2014	4/5/2014	EV	Y	Y	Y	Y	127
10	RAWALPINDI	RAWALPINDI	PB/11/14/004	M	10	1/26/2014	7+	2/12/2014		NVI	Y	Y	Y	Y	172
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	104
12	VEHARI	MAILSI	PB/63/14/024	F	81	2/25/2014	7+	Late Notified			Y	Y	Y		142
13	JACOBABAD	JACOBABAD	SD/53/14/005	M	48	3/20/2014	7+	4/4/2014	4/6/2014	NVI	Y	Y	Y	Y	119
14	JAMSHORO	MANJHAND	SD/25/14/011	F	6	4/10/2014	5	4/29/2014	5/1/2014	NVI	Y	Y	Y	Y	98
15	KAMBAR	KAMBAR	SD/55/14/008	M	60	3/28/2014	7+	Late Notified			Y	Y	Y	Y	111
16	KAMBAR	KAMBAR	SD/55/14/009	M	120	3/29/2014	7+	4/2/2014		NVI	Y	Y	Y	Y	110
17	KAMBAR	MIRO KHAN	SD/55/14/013	F	108	4/12/2014	7+	4/27/2014	4/28/2014	NVI	Y	Y	Y	Y	96
18	KASHMORE	KANDHKOT	SD/54/14/006	M	60	3/21/2014	7+	4/21/2014	4/22/2014	NVI	N	N	Y	Y	118
19	KHAIRPUR	KHAIRPUR	SD/43/14/003	F	72	1/28/2014	7+	Child Died Before Stool Collection			Y	Y	Y	DIED	170
20	KHIBALDIA	BALDIA	SD/61/14/005	F	24	2/15/2014	6							Y	Y
21	KHIGADAP	GADAP	SD/63/14/004	M	10	1/5/2014	0	3/5/2014	3/6/2014	EV	Y	Y	Y	Y	193
22	KHIGADAP	GADAP	SD/63/14/012	M	13	4/5/2014	6	5/6/2014	5/8/2014	NVI	UK	UK	UK		103
23	KHIGIQBAL	G-IQBAL	SD/65/14/006	M	17	3/1/2014	7+	4/7/2014	4/8/2014	NVI	Y	Y	Y	Y	138
24	KHIKAMARI	KAMARI	SD/67/14/003	M	3	4/9/2014	1	5/6/2014	5/8/2014	NVI	Y	Y	Y	Y	99
25	KHIKORANGI	KORANGI	SD/68/14/001	M	23	1/5/2014	7+	Child Died Before Stool Collection			N	N	N	DIED	193
26	MIRPURKHAS	SINDHRI	SD/31/14/026	F	14	4/9/2014	6							Y	Y
27	UMERKOT	SAMARO	SD/34/14/002	F	24	1/14/2014	7+	Child Died Before Stool Collection			Y	N	Y	DIED	184
28	BATAGRAM	BATAGRAM	KP/11/14/006	M	120	3/1/2014	7+				4/5/2014	4/6/2014	NVI	Y	Y
29	CHITRAL	CHITRAL	KP/21/14/001	M	48	1/22/2014	7+	1/31/2014		NVI	Y	N	Y	DIED	176
30	CHITRAL	MASTUJ	KP/21/14/005	M	132	4/5/2014	7+	4/19/2014	4/20/2014	NVI	Y	Y	Y		103
31	KOHAT	KOHAT	KP/50/14/011	F	17	3/5/2014	7+	Late Notified			Y	N	Y		134
32	KOHAT	LACHI	KP/50/14/015	M	57	4/17/2014	7+							Y	N
33	KOHISTAN	DASSU	KP/13/14/005	M	34	3/22/2014	3	4/4/2014	4/6/2014	NVI	Y	Y	Y		117
34	LAKKIMRWT	LAKKIMRWT	KP/62/14/020	M	42	3/30/2014	7+	Late Notified			N	N	Y	Y	109
35	NOWSHERA	NOWSHERA	KP/32/14/018	M	118	4/14/2014	7+	5/12/2014	5/15/2014	NVI	N	N	Y	DIED	94
36	PESHAWAR	PESHAWAR	KP/30/14/027	F	18	3/12/2014	7+	4/1/2014	4/2/2014	VACC	Y	Y	Y	Y	127
37	PESHAWAR	PESHAWAR	KP/30/14/039	M	48	3/26/2014	7+	4/19/2014	4/20/2014		Y	Y	Y	Y	113
38	TANK	TANK	KP/63/14/002	M	18	2/5/2014	7+	3/6/2014	3/8/2014	EV	Y	N	UK		162
39	BARKHAN	BARKHAN	BN/23/14/001	M	36	1/19/2014	3	1/30/2014		NVI	Y	Y	UK	DIED	179
40	DBUGTI	DERA BUGTI	BN/35/14/001	M	33	1/20/2014	7+	2/22/2014	2/23/2014	NVI	Y	Y	Y		178
41	JAFARABAD	JHAT PAT	BN/43/14/005	F	14	2/5/2014	7+	2/19/2014	2/21/2014	NVI	Y	Y	Y	Y	162
42	JAFARABAD	SOHBAT PUR	BN/43/14/011	F	58	4/5/2014	7+	5/14/2014	5/16/2014	VACC	N	Y	Y	Y	103

€ Based on recall of parents

\* Afp.rec Data as of 17-07-2014

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	KALAT	KALAT	BN/53/14/001	M	120	2/1/2014	7+	3/1/2014	3/4/2014	NVI	N	Y	Y	Y	166
44	SIBI	LEHRI	BN/31/14/004	F	35	2/28/2014	3	3/26/2014	3/27/2014	NVI	Y	Y	N	Y	139
45	HAVELI	HAVELI	AJ/51/14/002	F	120	2/16/2014	3	4/17/2014	4/19/2014	NVI	Y	N	Y	Y	151
46	GHIZER	GUPIS	GB/41/14/002	F	20	4/16/2014	7+	5/9/2014	5/11/2014	NVI	Y	N	Y		92
47	FR BANNU	FR BANNU	FT/69/14/011	M	8	2/3/2014	0	2/20/2014	2/21/2014	NVI	Y	Y	Y		164
48	FR BANNU	FR BANNU	FT/69/14/020	M	21	2/17/2014	0	Late Notified			Y	Y	Y	Y	150
49	WAZIR-N	MIRAN SHAH	FT/64/14/044	M	12	1/27/2014	0	3/2/2014	3/3/2014	VACC	Y	Y	Y		171
50	WAZIR-N	MIRAN SHAH	FT/64/14/052	M	8	3/1/2014	0	3/13/2014		NVI	Y	Y	Y		138
51	WAZIR-N	MIR ALI	FT/64/14/065	F	12	4/7/2014	2	4/9/2014		NVI	Y	Y	Y		101
52	WAZIR-N	MIRAN SHAH	FT/64/14/105	F	14	1/12/2014	1	6/24/2014	6/26/2014		Y	Y	Y		186

€ Based on recall of parents  
\* Afp.rec Data as of 17-07-2014

60 days Follow-up not done

FUP = Residual Weakness at 60 days follow up.