



**World Health  
Organization**

# **Weekly AFP Surveillance Update Pakistan**

**Week 25** (*Ended on 21<sup>st</sup> June, 2014*)

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Federal EPI***

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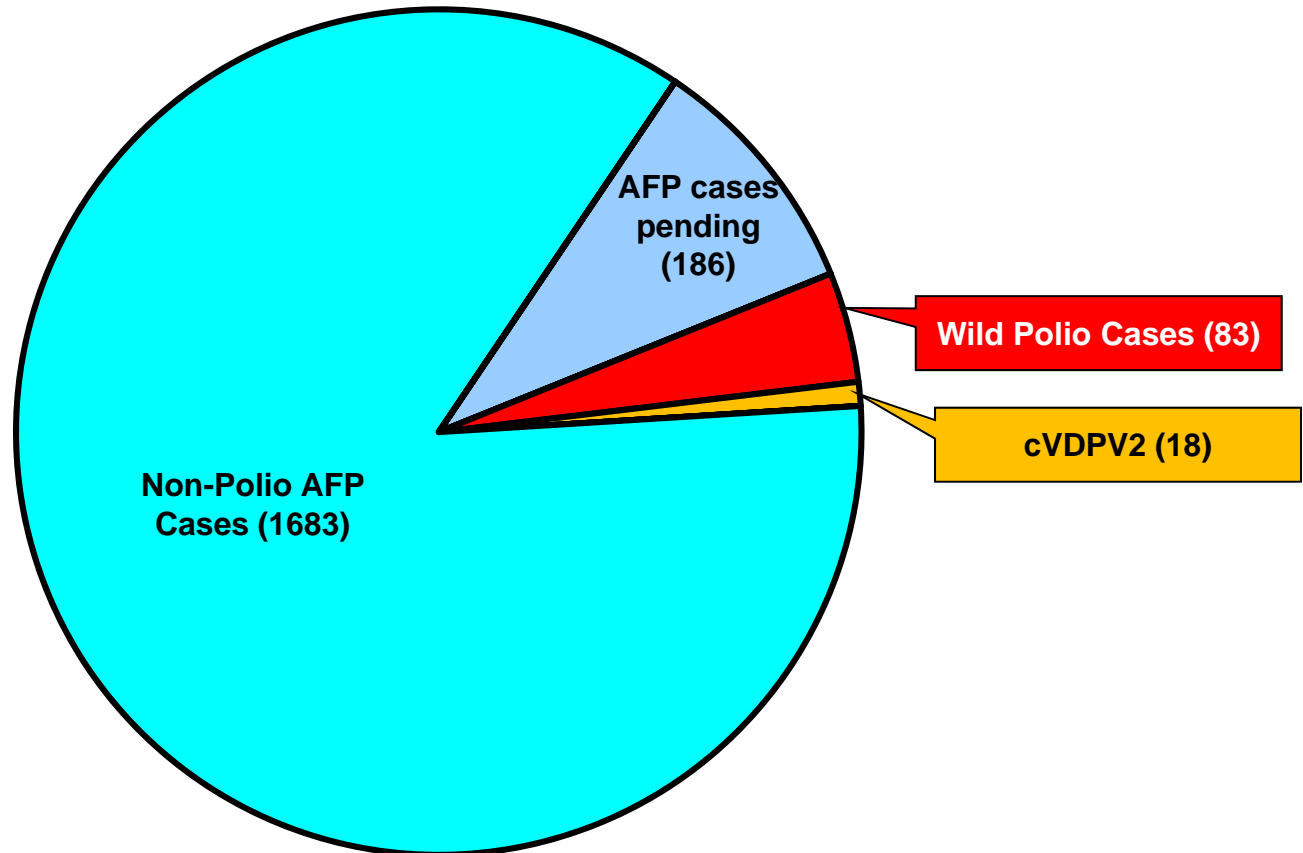
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AFP Surveillance



# AFP Case Profile, 2014\*



**Total AFP Cases Reported = 1970**

**^28 Inadequate cases pending classification by ERC;  
^66 Inadequate cases not due for FUP  
^92 Pending in the Lab**

\* Afp.rec Data as of 19-06-2014

## 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	4	12	3	2	19-May -14
FATA / FR Areas	11	65	3	4	04-June -14
Sindh	2	6	2	4	04-May-14
Balochistan	0	0	0	0	02-Oct-12
Punjab	2	0	2	0	12-Dec-13
<b>Pakistan</b>	<b>19</b>	<b>83</b>	<b>10</b>	<b>10</b>	<b>04-Jun-14</b>

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

\* Afp.rec Data as of 19-06-2014

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

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 19-06-2014

***Table 1: List of Confirmed Polio Cases, Pakistan 2014\* (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	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 19-06-2014

**Table 1: List of Confirmed Polio Cases, Pakistan 2014\* (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	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 19-06-2014

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

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
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	2	7+	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	
80	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/100	F	4	30-May-14	2	2	Y	N	Y	N	NSL1	
81	FATA	KHYBER\$	BARA	FT/34/14/014	M	18	27-May-14	0	0	Y	Y	Y	N	NSL1	
82	FATA	KHYBER\$	BARA	FT/34/14/016	M	11	04-June-14	0	0	Y	Y	Y	N	NSL1	
83	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/101	M	5	28-May-14	0	0	Y	Y	N	N	NSL1	

\$ Security compromised area

**New Case**

^Under investigation

\* Afp.rec Data as of 19-06-2014

**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	VDPV	Results within 14 days	
	n	n	n	n	n	%	n	%	n	N	n	%
January	383	267	0	0	25	7%	69	18%	17	5	383	100%
February	368	271	0	0	35	11%	42	11%	18	2	368	100%
March	391	265	3	0	41	12%	67	17%	13	2	387	99%
April	418	273	4	0	12	3%	108	26%	17	4	414	99%
May	491	277	37	2	16	4%	138	28%	17	5	452	92%
June	126	9	112	2	0	0%	2	2%	1	0	13	10%
<b>Pakistan</b>	<b>2177</b>	<b>1362</b>	<b>156</b>	<b>4</b>	<b>128</b>	<b>7%</b>	<b>420</b>	<b>20%</b>	<b>83</b>	<b>18</b>	<b>2025</b>	<b>93%</b>

\* Data as of 16-06-2014



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

Basic information										OPV doses				Urgent		Prov Diagnosis	Lab update			Remarks
S. #	District	Tehsil	Union council	Epid number	Date of Onset	Age (M)	Sex	Date of 1st stool	Stool Adeq	RI	SIA	Last 6 SIA	Last dose	By Field	By NSC		Lab No.	Days Inoc	Culture update	
<b>Isolates pending for ITSD</b>																				
1	FR BANNU	FR BANNU	JANI KHEL	FT/69/14/021	26-May-14	6	M	03-Jun-14	Y	0	0	0		N	Y	POLIOMYELITIS	2519	4	P2	Discordant U
2	WAZIR-N	MIRAN SHAH	CHASHMA	FT/64/14/103	30-May-14	8	F	07-Jun-14	Y	0	0	0		Y		POLIOMYELITIS	2600	7	L20B+	
3	WAZIR-N	MIRAN SHAH	SHAWAL	FT/64/14/104	03-Jun-14	28	M	09-Jun-14	Y	0	1	0		Y	Y	POLIOMYELITIS	2613	8	L20B+	
4	WAZIR-S	WANA	KARIKOT	FT/65/14/011	08-Jun-14	25	M	11-Jun-14		0	0	0		Y		SUSPECTED POLIOMYELITIS	2661	5	L20B+	
5	LAHORE	LAHORE	44	PB/31/14/057-C3		2	M	10-Jun-14	-	-	-	-	22-May-14	N	-		2606	7	L20B+	
<b>Reported urgent (by field / NSC criteria)</b>																				
6	KHYBER *	#	#	FT/34/14/015	03-Jun-14	12	M	13-Jun-14	#	#	#	#		Y	#		2690	8	UP	
7	KHYBER *	BARA	MILWARD	FT/34/14/017	10-Jun-14	7	M	12-Jun-14	Y	0	0	0		Y	Y	POLIOMYELITIS/HYPOKALEMIA	2676	8	UP	
8	MOHMAND	AMBAR UTMAN	KHARAI	FT/35/14/004	20-Apr-14	24	F		N	0	7	6	14-Apr-14	Y	-	INFLAMMATORY ARTHRITIS	2000		UP	
9	WAZIR-N	MIRAN SHAH	SMALL KHEL	FT/64/14/102	04-Jun-14	23	F	07-Jun-14	Y	0	0	0		Y	#	POLIOMYELITIS	2592	13	UP	
10	CHITRAL *	#	#	KP/21/14/007	02-Jun-14	9	F	03-Jun-14	#	#	#	#	26-Mar-14	Y	#		2638	11	UP	
11	KARAK *	#	#	KP/51/14/008	31-May-14	156	M	05-Jun-14	#	#	#	#		Y	N		2634	11	UP	
12	PESHAWAR *	PESHAWAR	TUKHTABAD	KP/30/14/062	12-Jun-14	4	F	15-Jun-14	N	0	0	0		Y	Y	POLIOMYELITIS	2715	6	UP	REFUSAL
13	LAHORE	LAHORE	44	PB/31/14/057	21-May-14	3	M	07-Jun-14	N	1	0	0	29-Apr-14	Y	N	POLIO	2582	13	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



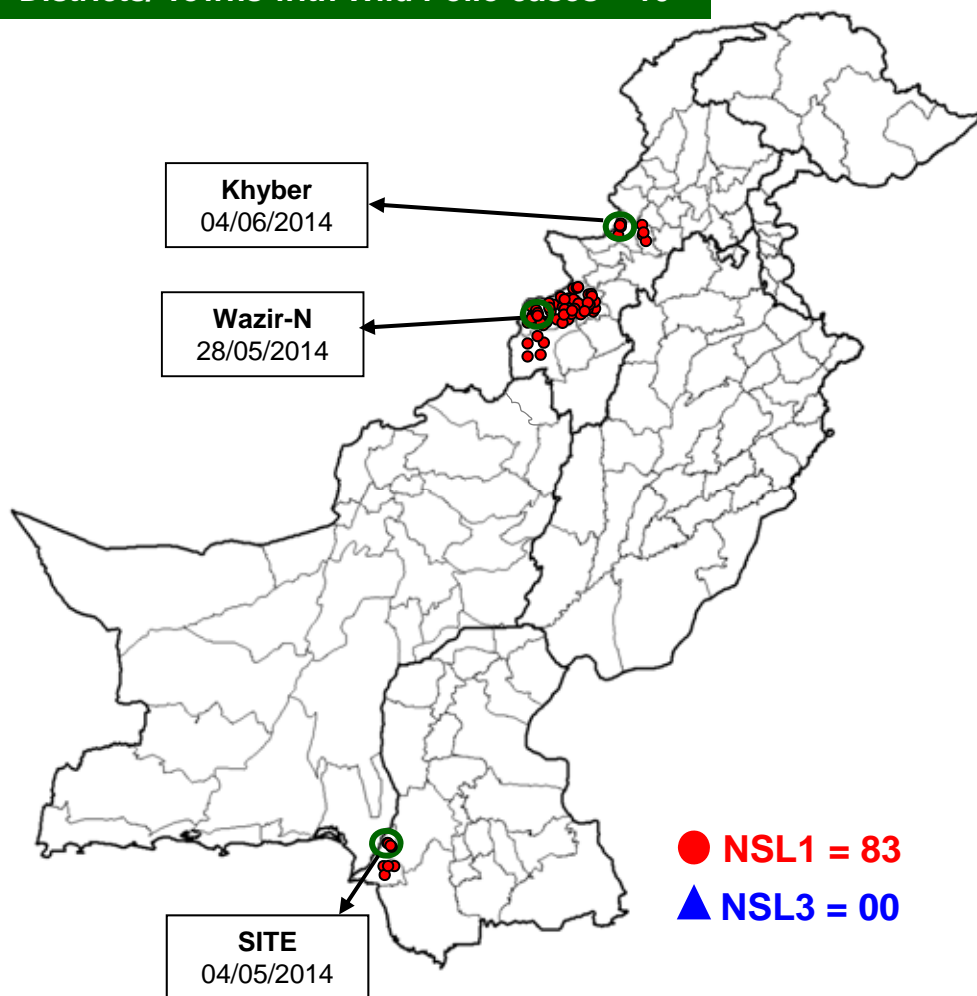
## Comparison environmental sampling results 2013-14

DISTRICT	2012			2013			Last
	TOTAL	WILD		TOTAL	WILD		
	n	n	%	n	n	%	
LAHORE	26	0	0%	24	7	29%	12-May-14
MULTAN	15	0	0%	13	0	0%	28-Apr-14
RAWALPINDI	5	1	20%	8	2	25%	21-May-14
FAISALABAD	17	1	6%	14	0	0%	03-Jan-13
KHIGIQBAL	11	0	0%	9	9	89%	07-May-14
KHIGADAP	13	4	31%	14	10	64%	15-May-14
KHIBALDIA	10	0	0%	9	6	67%	08-May-14
SUKKUR	10	0	0%	10	1	10%	06-May-14
HYDERABAD	5	4	80%	5	2	40%	06-May-14
PESHAWAR	10	8	80%	15	8	53%	10-Apr-14
QUETTA	14	1	7%	13	3	15%	31-Mar-14
<b>PAKISTAN</b>	<b>136</b>	<b>19</b>	<b>14%</b>	<b>134</b>	<b>48</b>	<b>34%</b>	<b>21-May-14</b>

*Data source Polio RRL*

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

Districts/ Towns with Wild Polio cases = 10



Province/ Country	Date of Last Case		Number of cases 2013	
	P1	P3	P1	P3
PUNJAB	Dec, 2013	Jun, 2010	-	-
SINDH	May, 2014	Jan, 2010	6	-
KHYBER- PAKHTUNKHWA	June, 2014	Oct, 2010	12	-
FATA	May, 2014	Apr, 2012	65	-
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>83</b>	<b>-</b>

○ District with last polio case in province

Cases randomly placed  
in districts

— Provincial Boundary  
— Districts Boundary

\* Afp.rec Data as of 19-06-2014



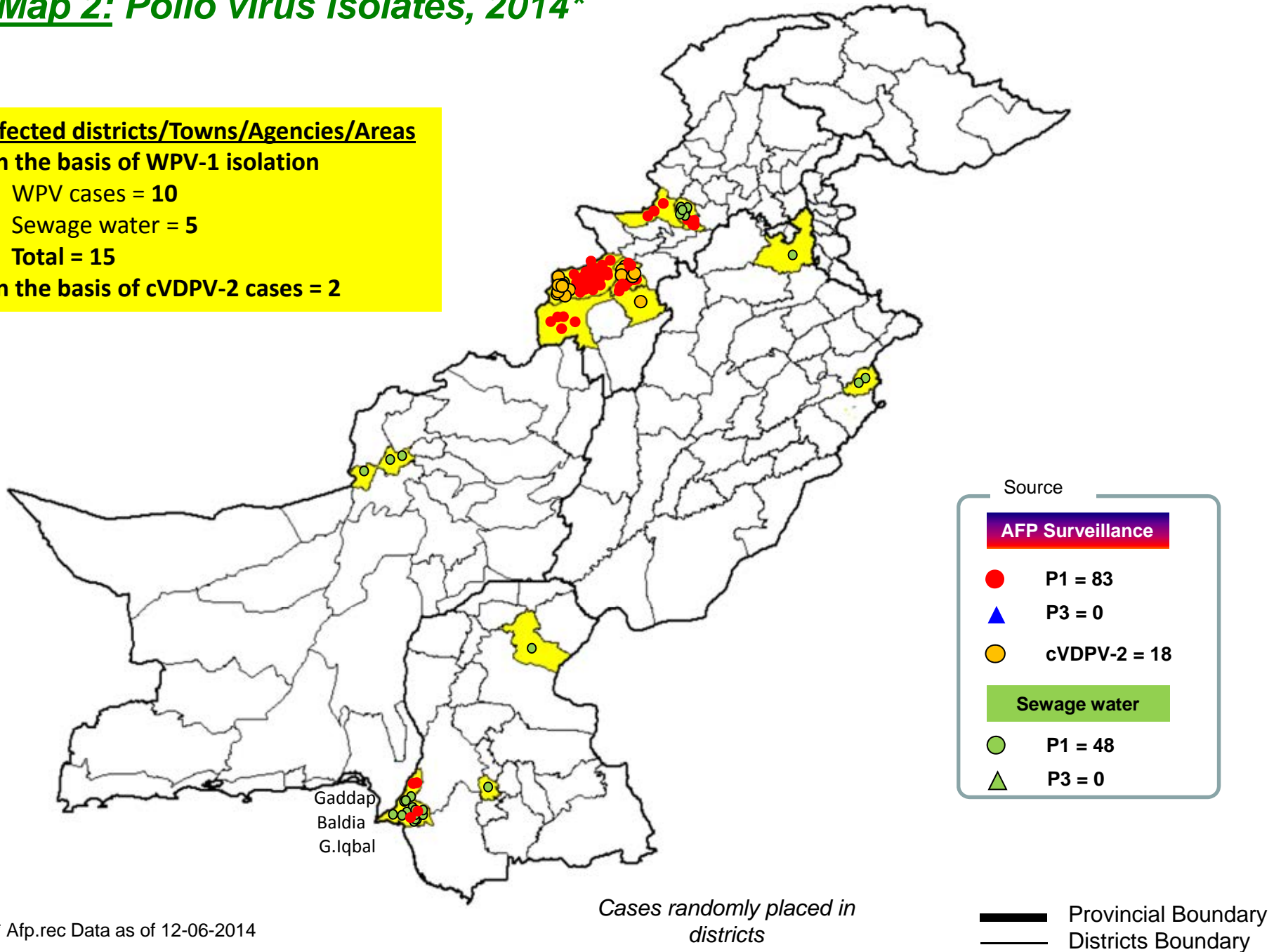
## Map 2: Polio virus isolates, 2014\*

### Infected districts/Towns/Agencies/Areas

#### On the basis of WPV-1 isolation

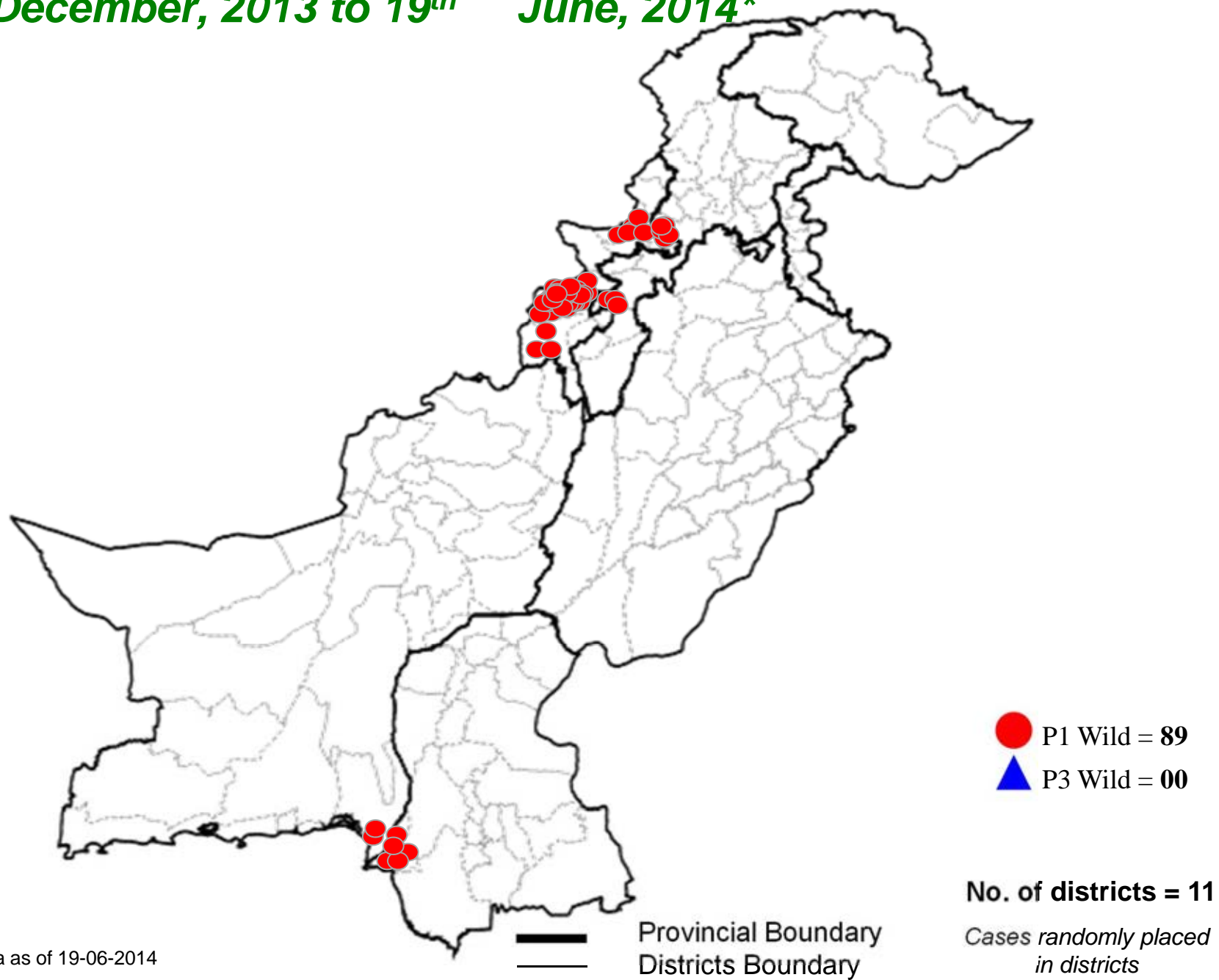
- WPV cases = 10
- Sewage water = 5
- Total = 15

#### On the basis of cVDPV-2 cases = 2



\* Afp.rec Data as of 12-06-2014

**Map 3: Wild Polio cases in the last 6 months from  
20<sup>th</sup> December, 2013 to 19<sup>th</sup> June, 2014\***



\* Afp.rec Data as of 19-06-2014

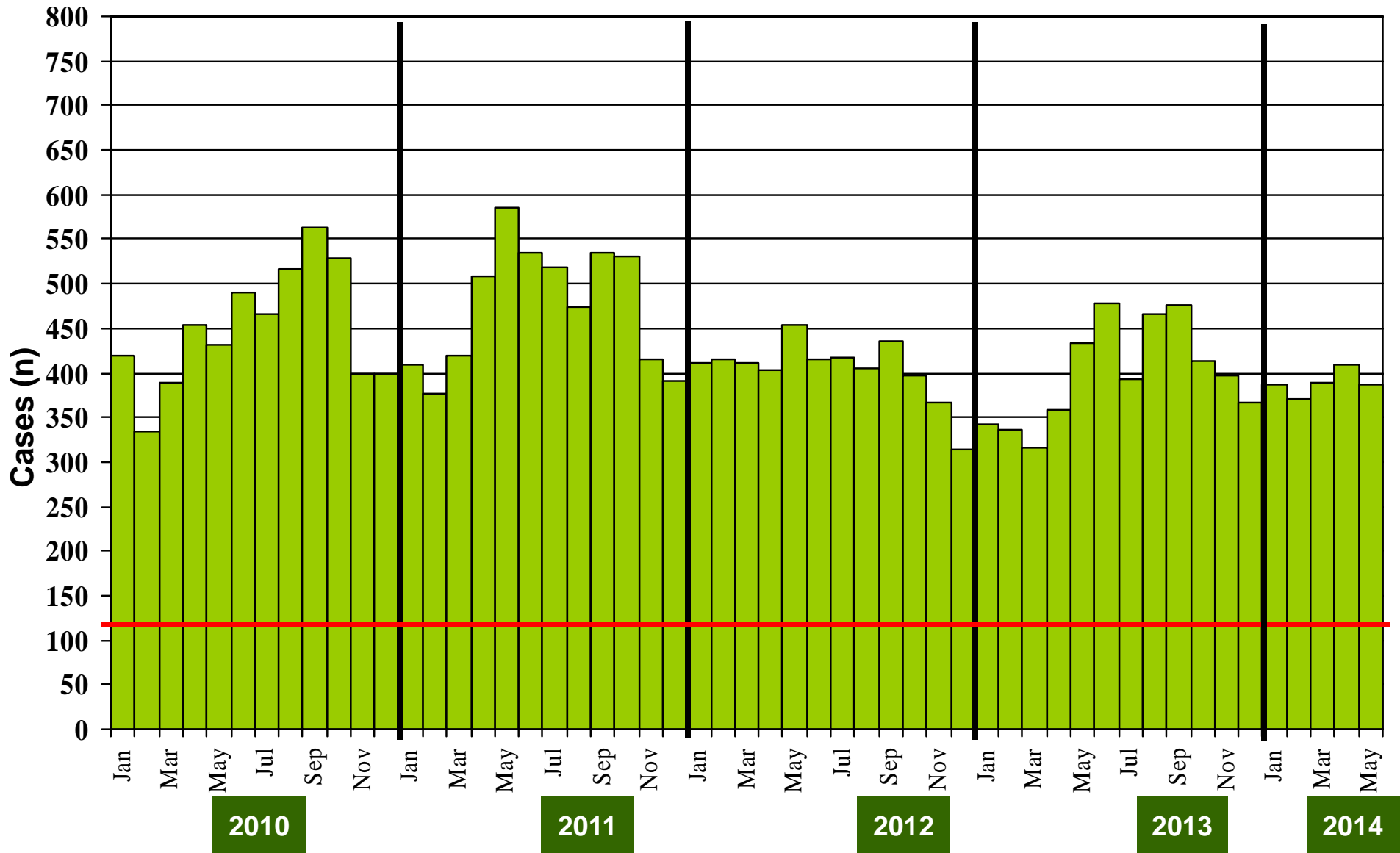
**Table 4: Distribution of AFP Cases By Week of Onset ^  
Pakistan 2013-14\* [Week number/Ending on]**

PROVINCE	W 10 08 Mar 2014	W 11 15 Mar 2014	W 12 22 Mar 2014	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
PUNJAB	34	48	39	32	51	40	36	32	60	55	54	65	57	56	55
SINDH	17	20	23	19	26	27	25	24	21	19	22	17	29	14	10
KP	23	19	17	20	20	17	16	15	23	24	22	17	15	22	14
FATA	7	6	7	5	7	7	6	8	5	8	9	8	10	6	9
BALUCHISTAN	5	1	3	1	2	4	1	1	1	6	5	6	2	6	1
AJK	2	1	1	0	0	0	0	0	0	0	0	0	1	2	2
GILGIT BILTISTAN	2	0	0	0	0	0	0	0	2	0	0	0	0	1	1
ISLAMABAD	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
<b>PAKISTAN</b>	<b>90</b>	<b>95</b>	<b>90</b>	<b>77</b>	<b>106</b>	<b>95</b>	<b>84</b>	<b>80</b>	<b>112</b>	<b>113</b>	<b>112</b>	<b>114</b>	<b>114</b>	<b>108</b>	<b>92</b>

\* Afp.rec & Afplab.rec: Data as of 19-06-2014

^ MMWR Epidemiological Weeks

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

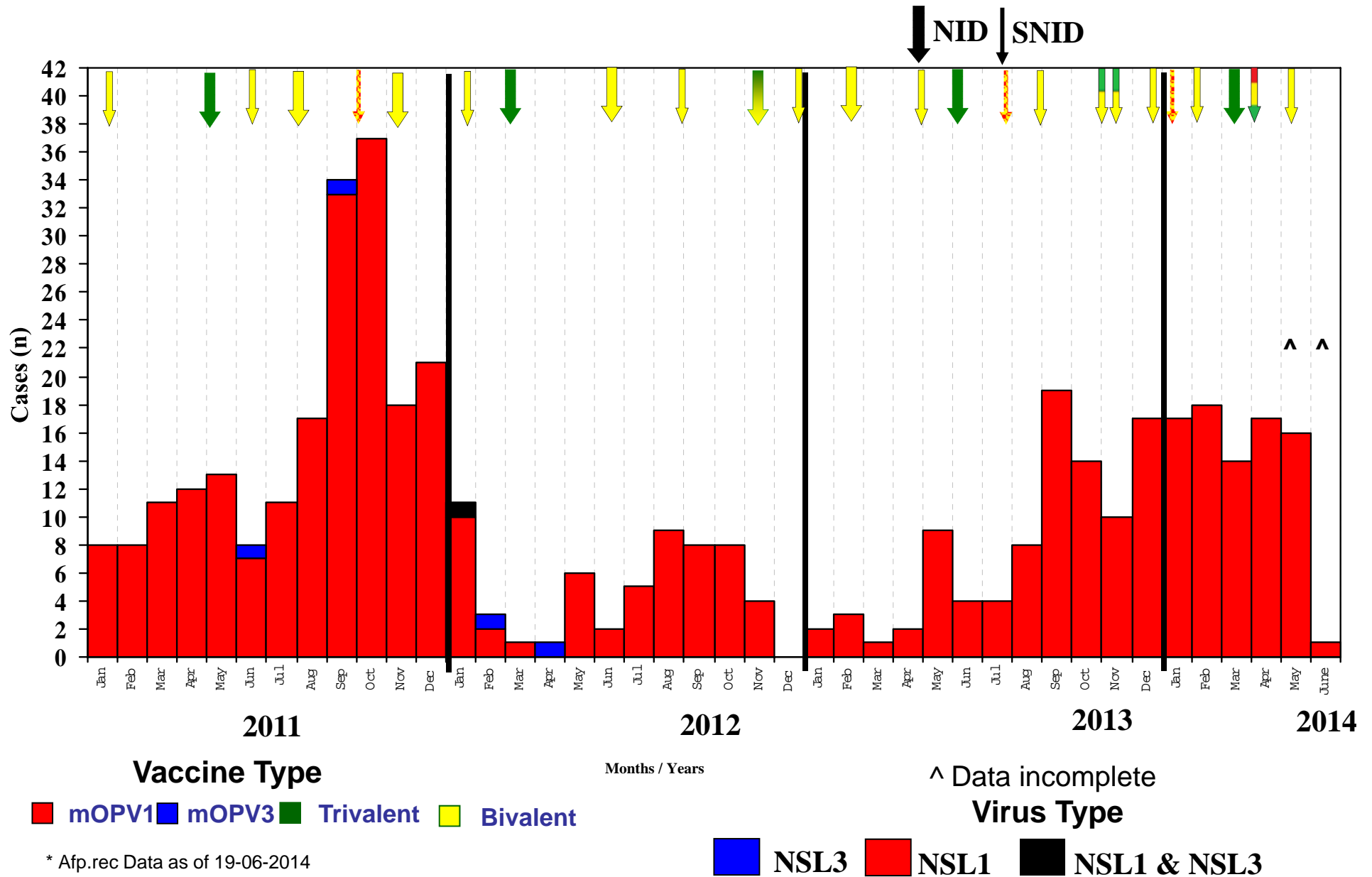


**@ Non-polio AFP rate of 2/100,000 children < 15 years**

\* Afp.rec Data as of 19-06-2014



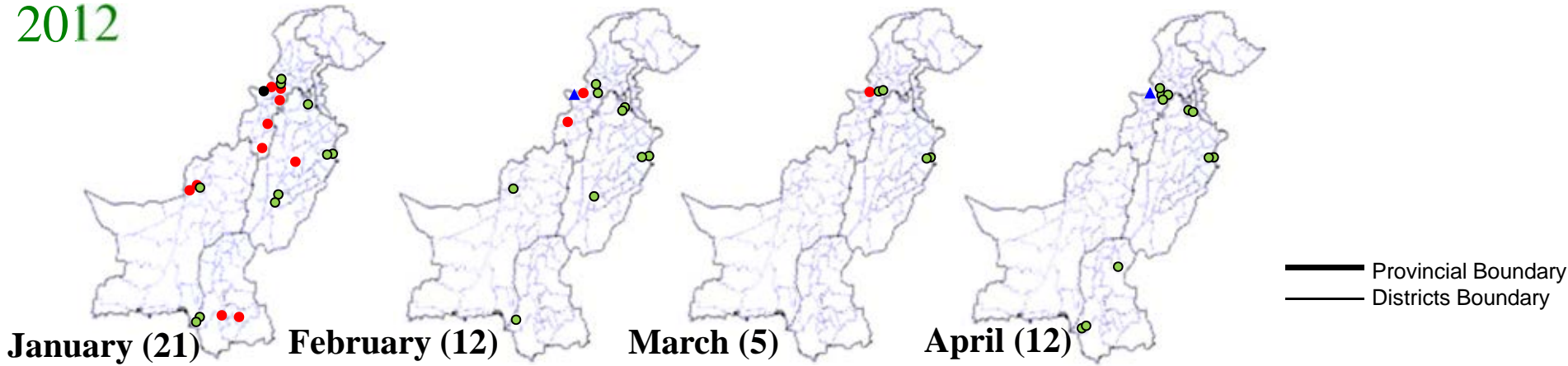
# Confirmed Polio Cases By Poliovirus Type, 2011-2014\*



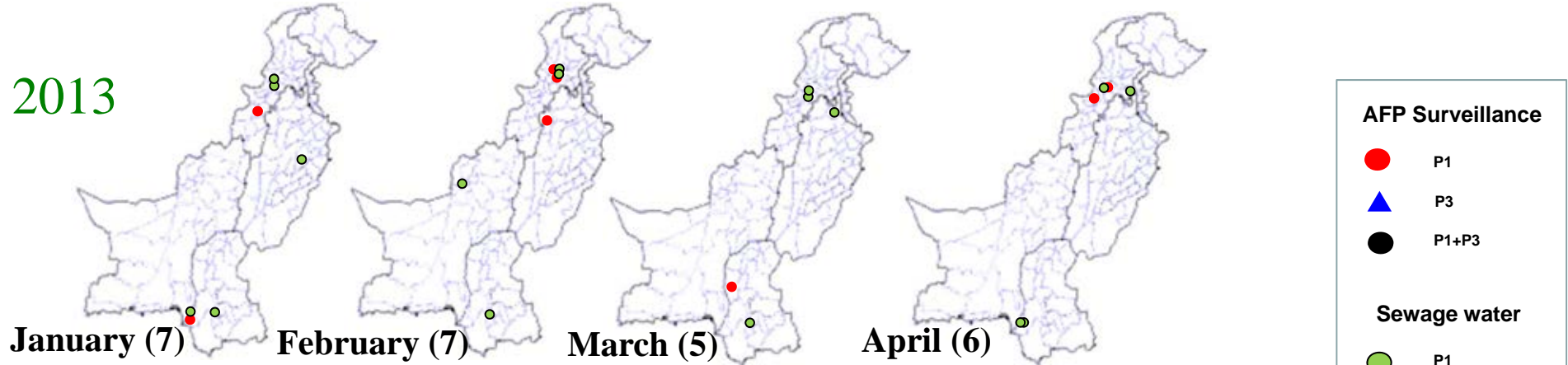
\* Afp.rec Data as of 19-06-2014

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

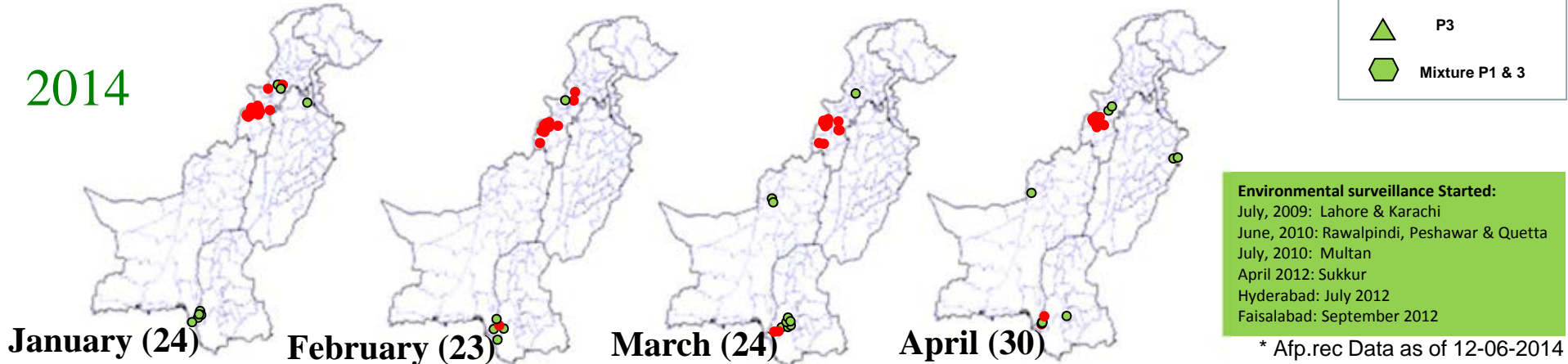
2012



2013



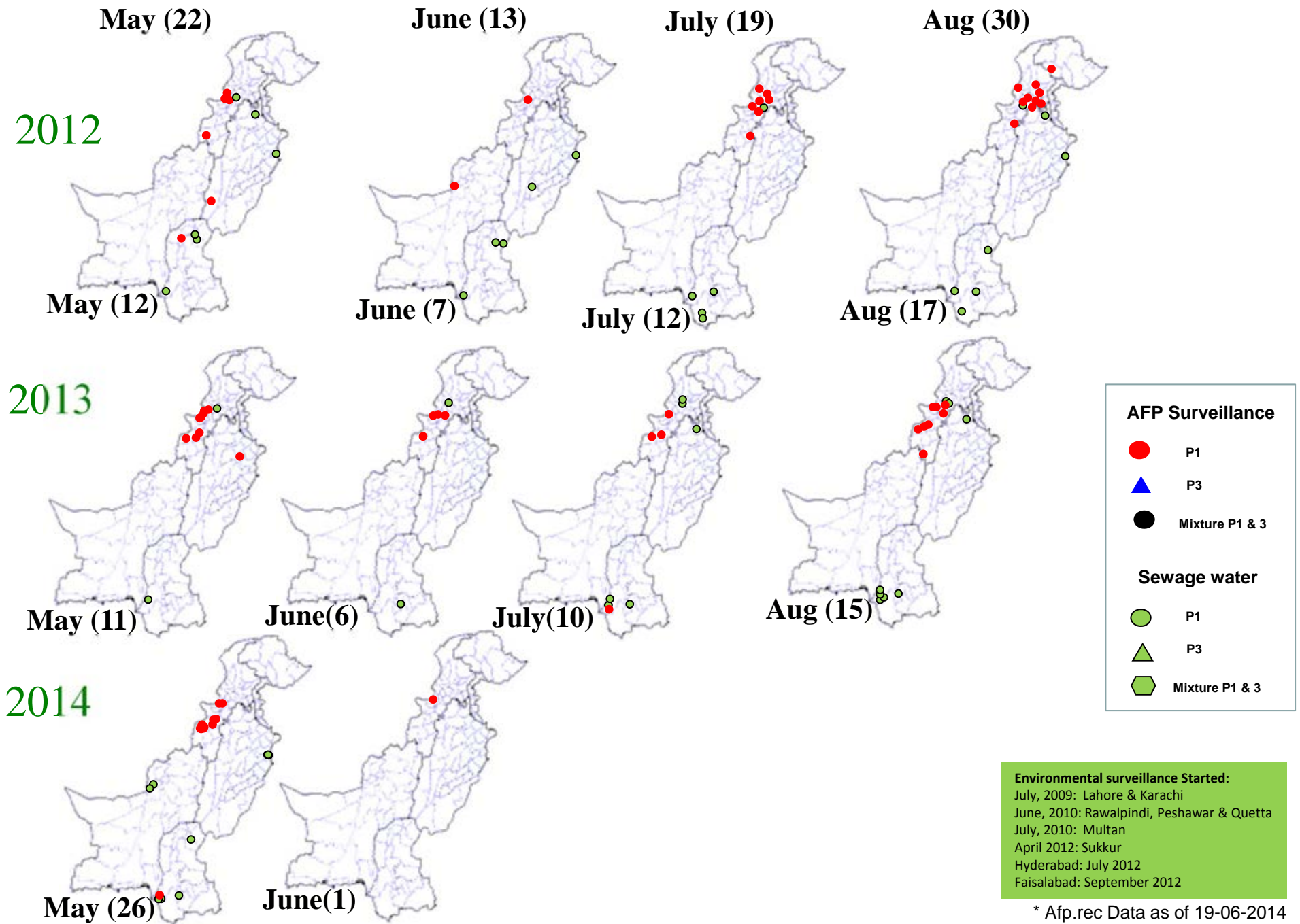
2014



**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 12-06-2014

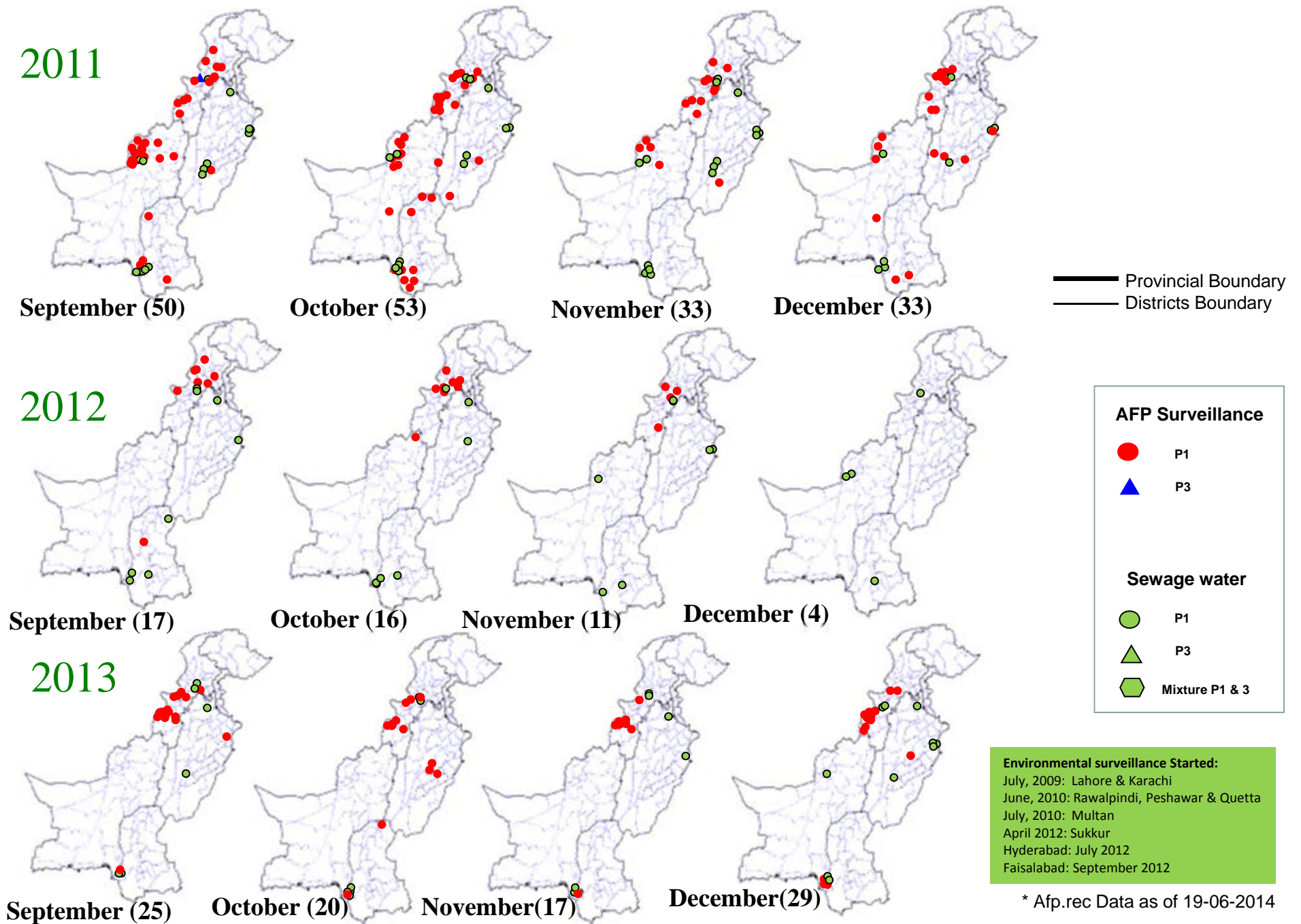
# Map 4.1: Monthly Comparison of P1 & P3 Polio Cases/Isolates 2011-2013\*



\* Afp.rec Data as of 19-06-2014



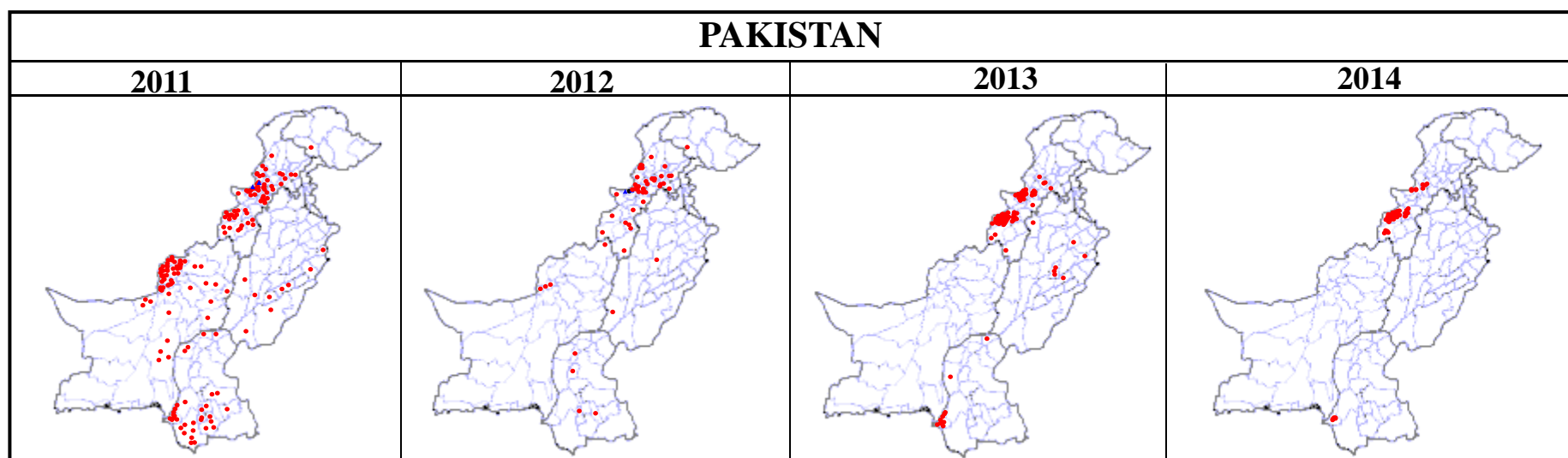
# Map 4.2: Monthly Comparison of P1 & P3 Polio Cases/Isolates 2011-2013\*



## 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	6	0	-	-	-	33	4	10	6
KP	23	27	11	12	0	-	-	-	23	27	11	12
FATA^	57	17	65	65	2	2	-	-	59	20^	65	65
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>83</b>	<b>2</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>198</b>	<b>58</b>	<b>93</b>	<b>83</b>

^ FATA reported mixture of NSL1 & NSL3



\* Afp.rec Data as of 19-06-2014

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

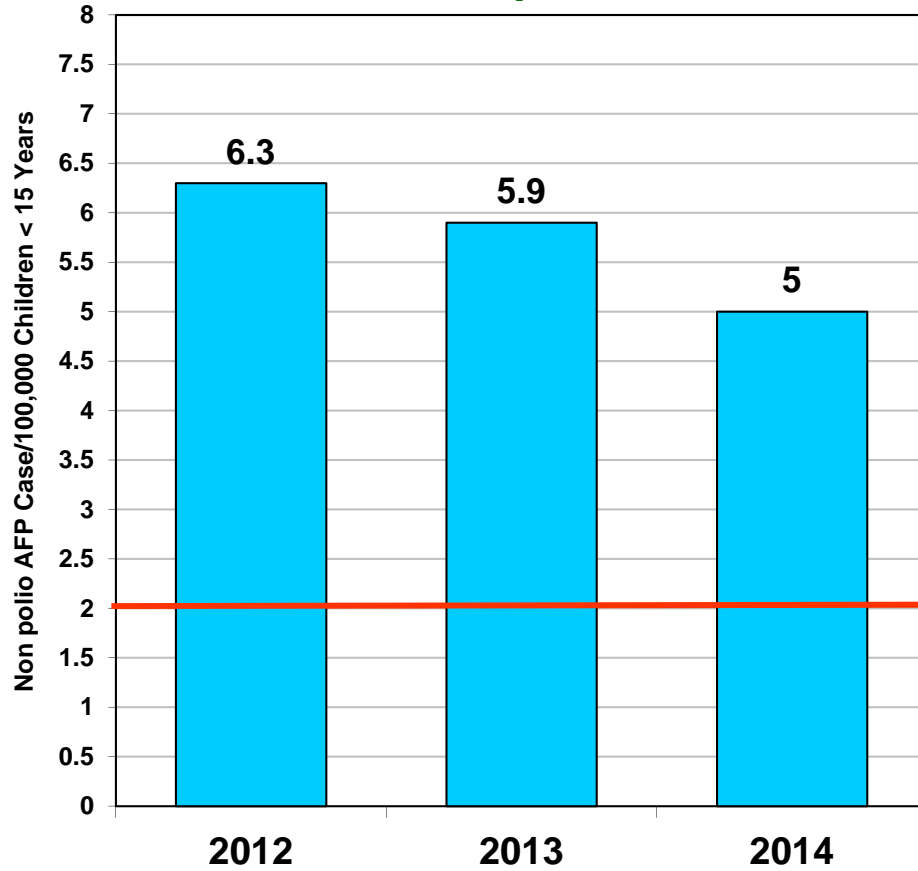
REGION	0 dose				1-2 doses				3 doses				4-6 doses				7+ doses			
	11	12	13	14	11	12	13	14	11	12	13	14	11	12	13	14	11	12	13	14
Central Punjab	0%	0%	0%	0%	1%	0%	0%	0%	2%	0%	1%	2%	6%	4%	7%	3%	92%	95%	91%	94%
North Punjab	0%	0%	0%	0%	1%	0%	0%	1%	1%	0%	0%	1%	5%	4%	4%	5%	93%	96%	96%	93%
South Punjab	0%	0%	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%	4%	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%	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%	0%	0%	0%	1%	2%	3%	2%	2%	3%	95%	95%	95%	94%
North Khyber Pakhtunkhwa	1%	2%	1%	2%	2%	2%	1%	1%	1%	2%	1%	1%	7%	9%	7%	8%	90%	85%	91%	87%
South Khyber Pakhtunkhwa	2%	2%	1%	0%	4%	1%	0%	2%	4%	1%	1%	0%	7%	9%	4%	2%	83%	87%	95%	96%
<b>Khyber Pakhtunkhwa</b>	<b>1%</b>	<b>2%</b>	<b>1%</b>	<b>1%</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>92%</b>
<b>FATA</b>	<b>14%</b>	<b>18%</b>	<b>39%</b>	<b>54%</b>	<b>10%</b>	<b>6%</b>	<b>6%</b>	<b>8%</b>	<b>5%</b>	<b>3%</b>	<b>6%</b>	<b>3%</b>	<b>11%</b>	<b>12%</b>	<b>6%</b>	<b>1%</b>	<b>61%</b>	<b>62%</b>	<b>43%</b>	<b>34%</b>
North Balochistan	4%	12%	9%	0%	12%	10%	11%	4%	23%	3%	3%	13%	12%	17%	28%	9%	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%	6%	5%	5%	5%	0%	10%	10%	25%	19%	76%	70%	60%	75%
<b>BALOCHISTAN</b>	<b>16%</b>	<b>8%</b>	<b>6%</b>	<b>0%</b>	<b>6%</b>	<b>8%</b>	<b>6%</b>	<b>4%</b>	<b>6%</b>	<b>3%</b>	<b>4%</b>	<b>5%</b>	<b>12%</b>	<b>17%</b>	<b>20%</b>	<b>9%</b>	<b>60%</b>	<b>64%</b>	<b>64%</b>	<b>82%</b>
<b>PAKISTAN</b>	<b>2%</b>	<b>1%</b>	<b>3%</b>	<b>4%</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 19-06-2014

# Key Surveillance Indicators; 2012-2014\*

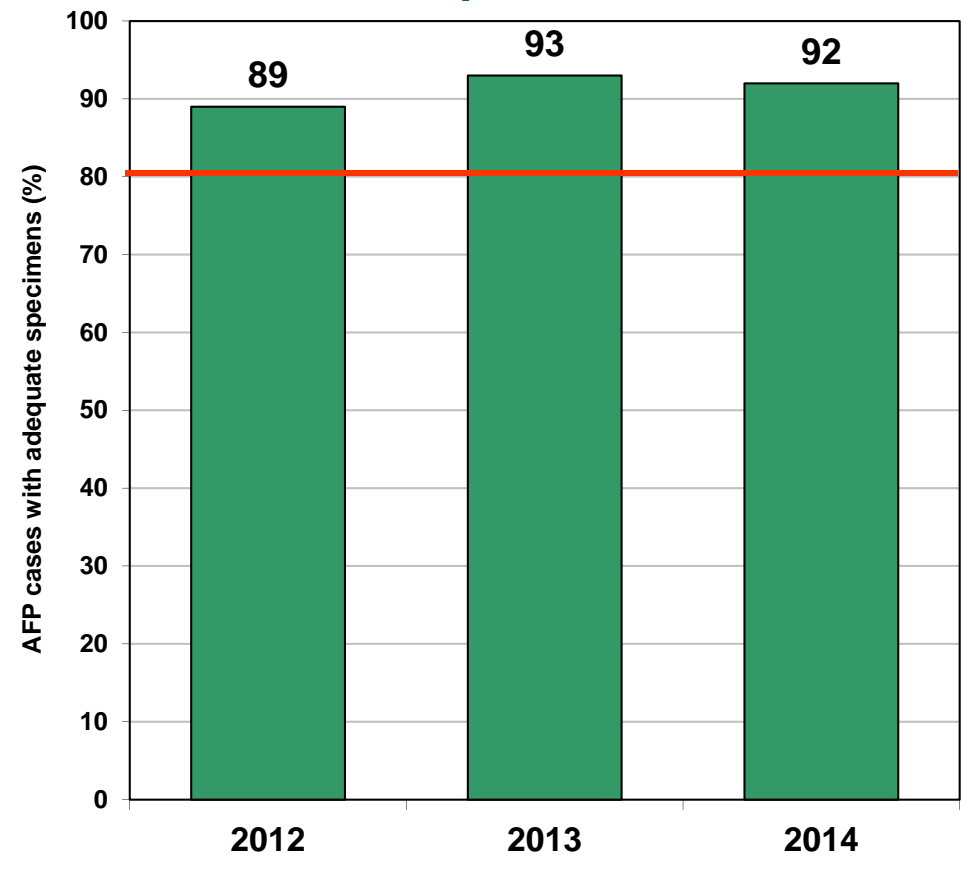
(Non polio AFP rate and % AFP cases with adequate specimens)

**Graph 3**



■ Non Polio AFP Rate

**Graph 4**



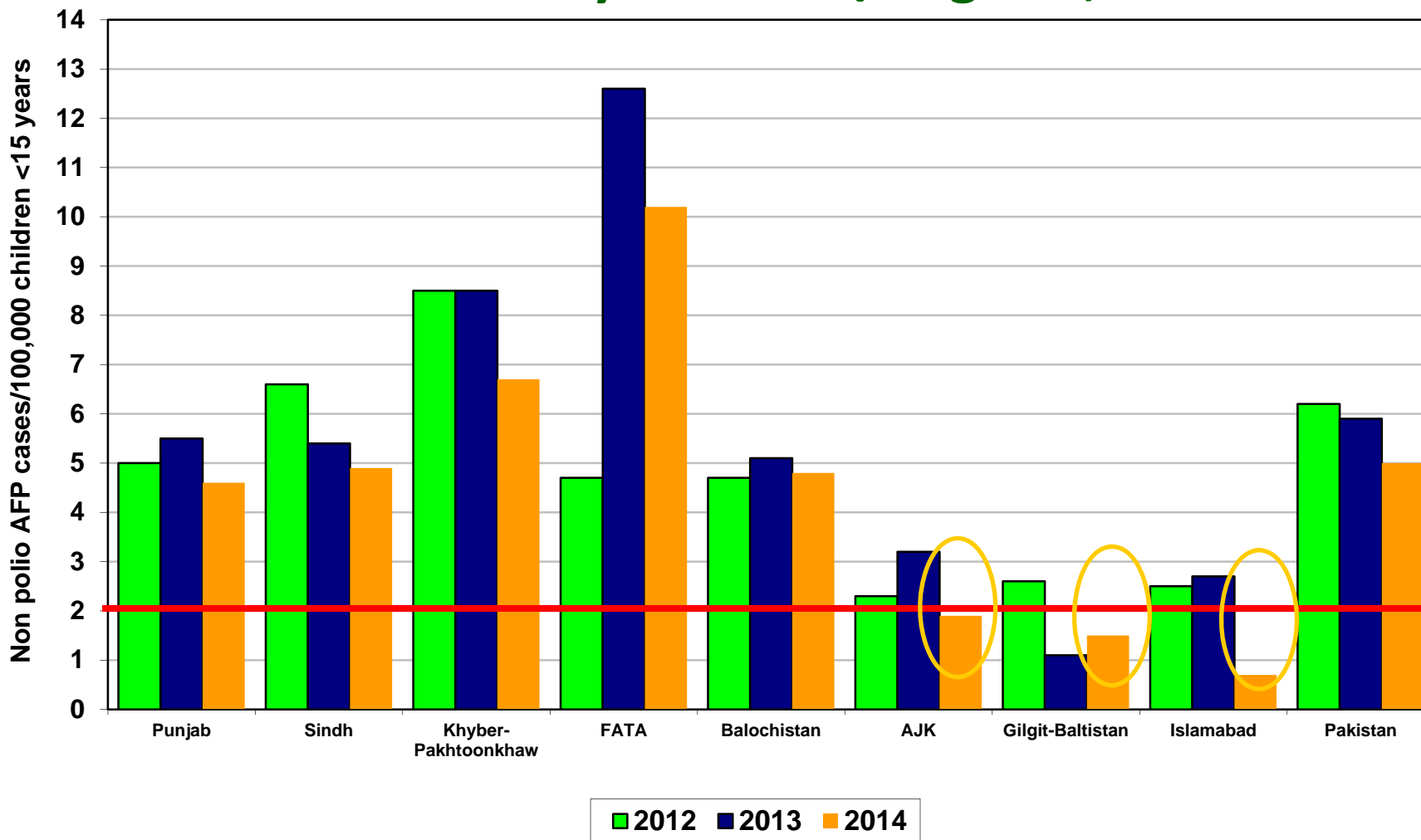
■ % AFP with Adequate Specimens

— Target

Non Polio AFP rate Up to Week No. 24 ended on 14<sup>th</sup> June, 2014

\* Afp.rec Data as of 19-06-2014

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



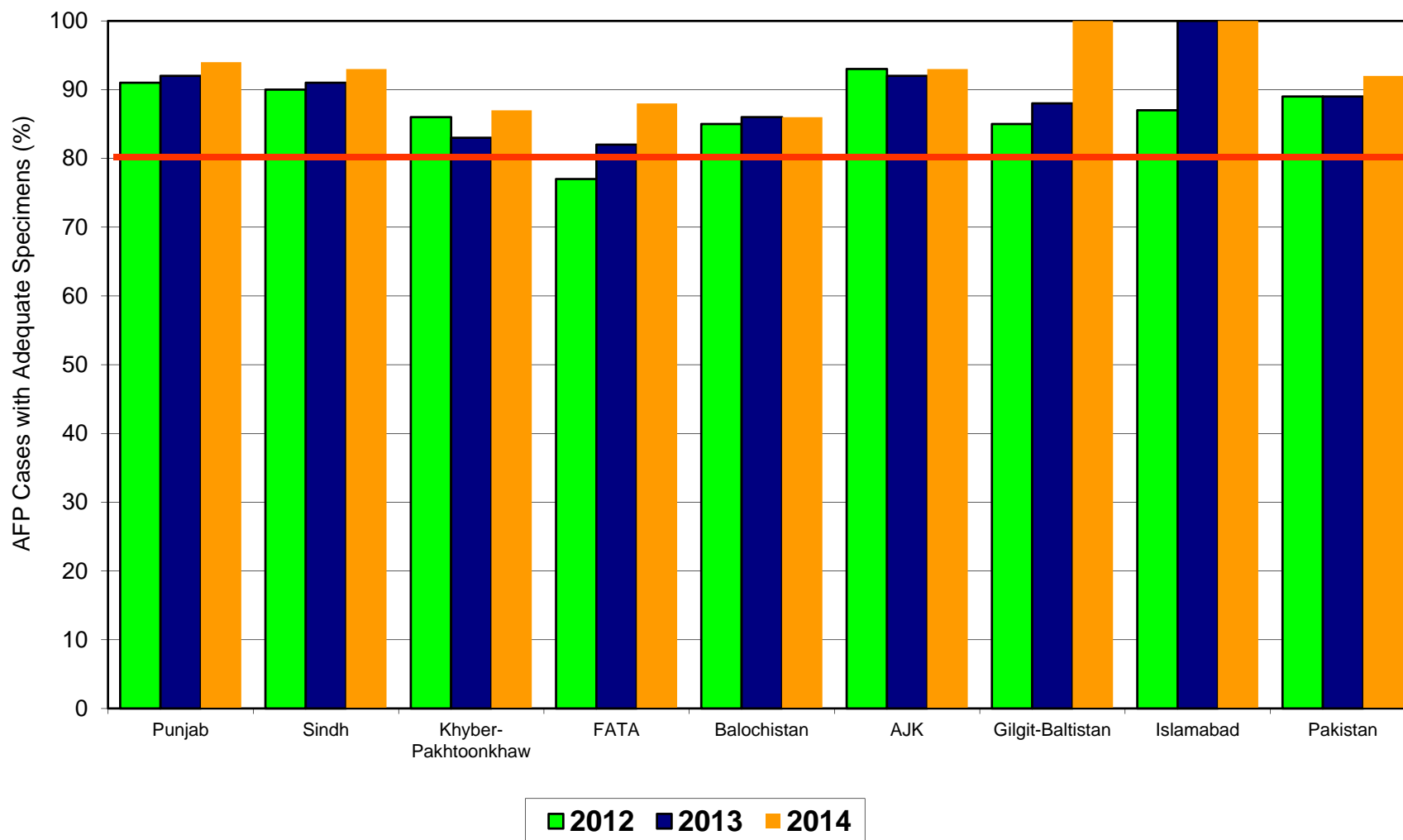
Non Polio AFP rate Up to Week No. 24 ended on 14<sup>th</sup> June, 2014

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

\* Afp.rec Data as of 19-06-2014



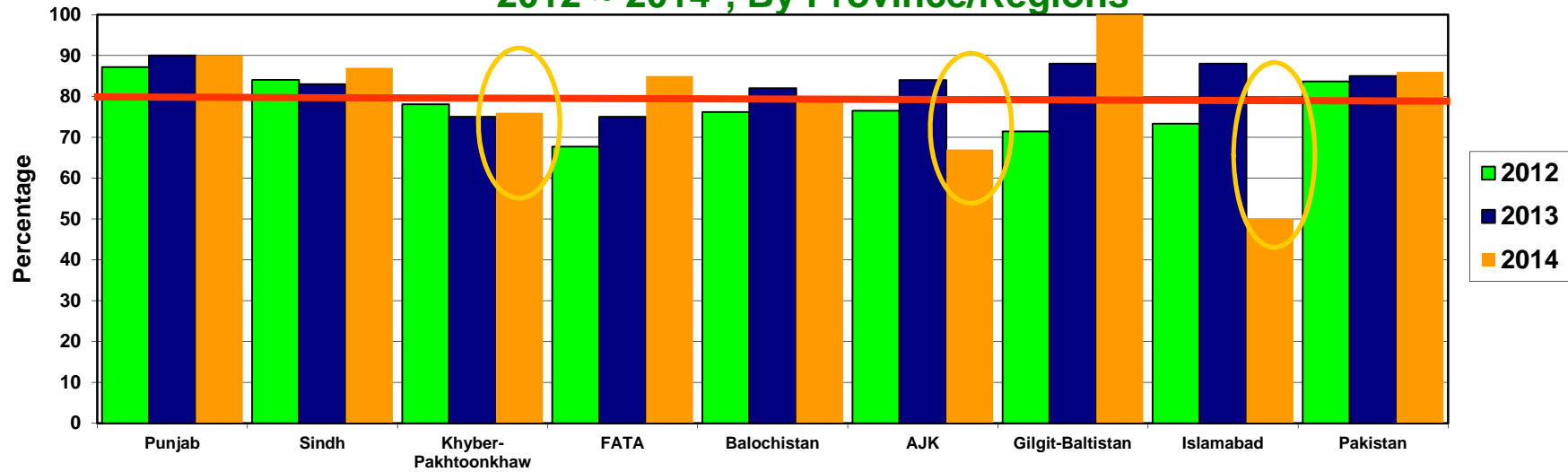
# Percent AFP Cases with Adequate Specimens By Province/Regions, 2012-2014\*



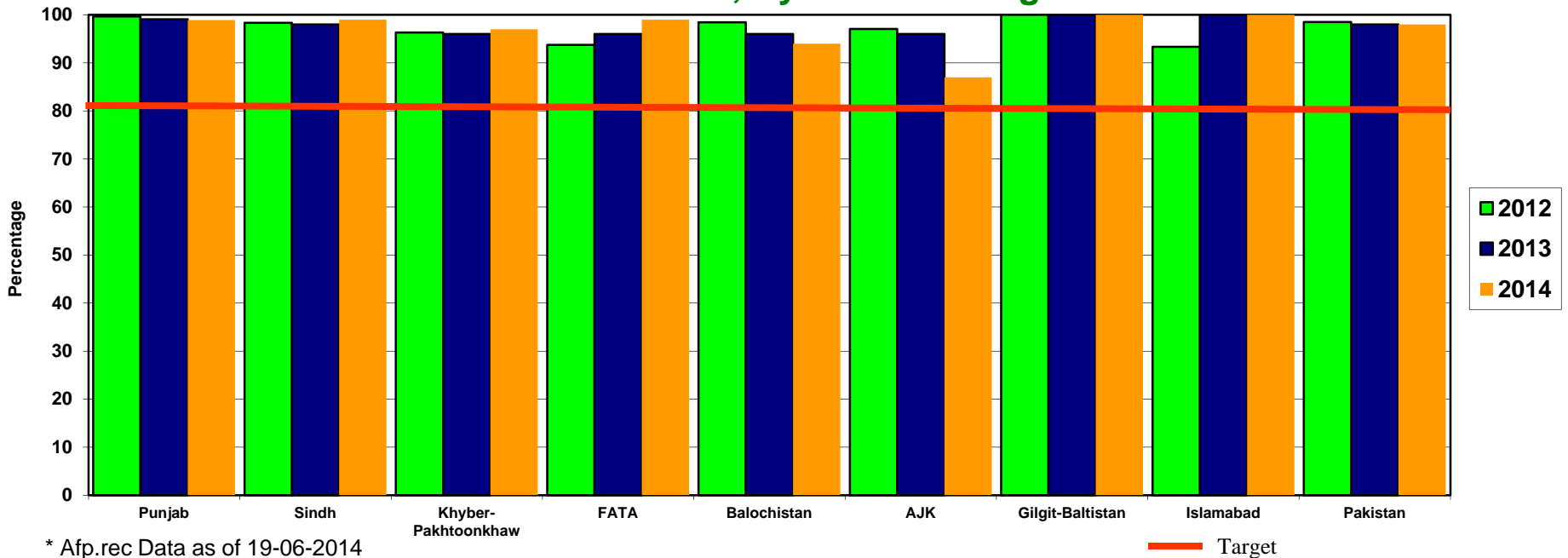
\* Afp.rec Data as of 19-06-2014

 Target Adequate Sample cases = 80%

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



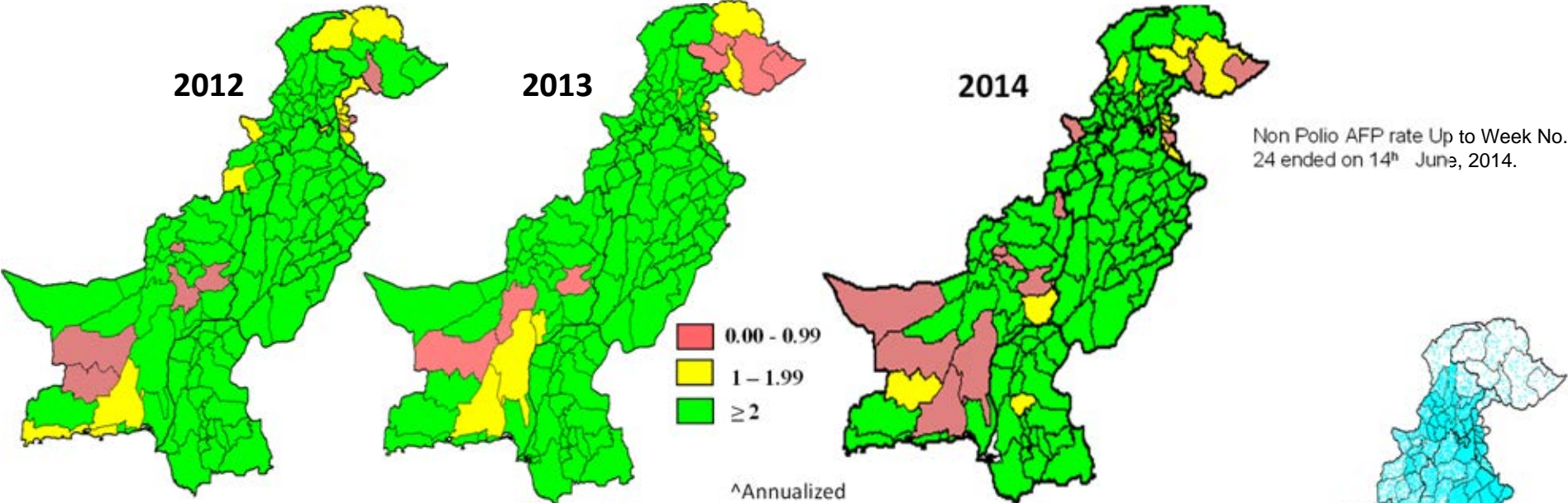
**Graph 6: Percent AFP Cases Investigated within 48 hours of notification  
2012 ~ 2014\*, By Province/Regions**



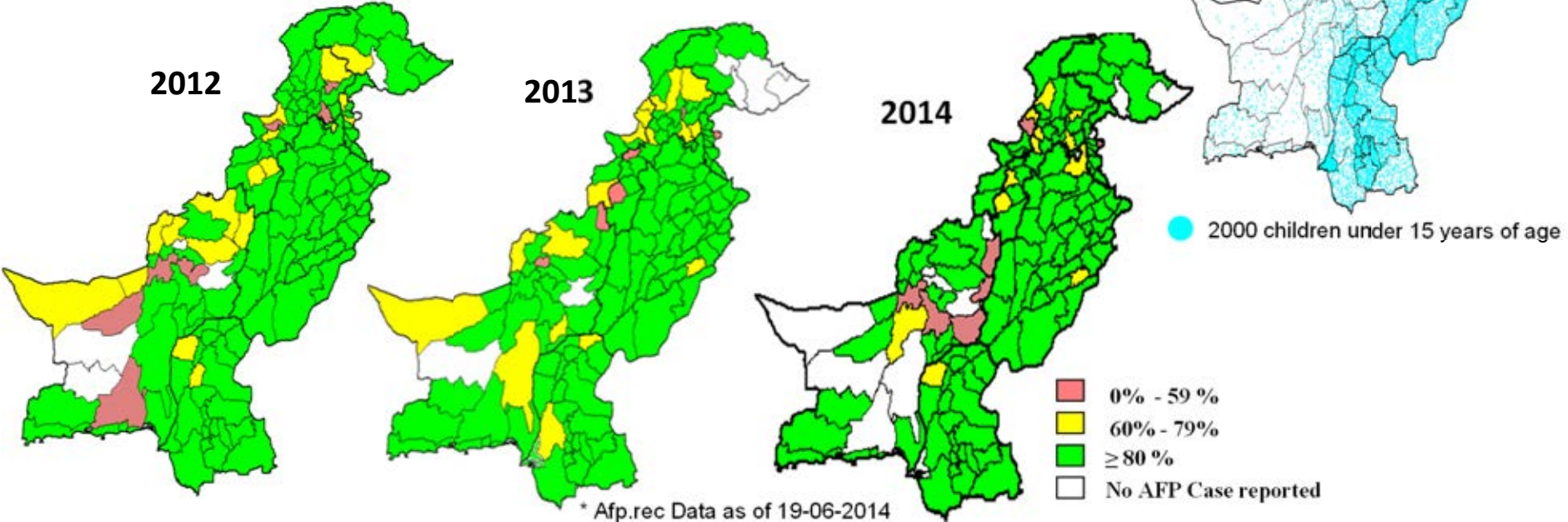
\* Afp.rec Data as of 19-06-2014

— Target

### Non-Polio^ AFP Rate by District



### Percent AFP Cases with Adequate Specimens, by District



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

S. No	DISTRICT	TEHSIL	EPID	SEX	AGE	DONSET	DOSES€	DSTOOL1	DSTOOL2	LAB	FEVER	ASYM	PROG	FUP	PEND (DAYS)
1	KHIGADAP	GADAP	SD/63/13/021	F	10	8/23/2013	1	9/23/2013	9/24/2013	NVI	Y	Y	Y	Y	300
2	KHIGADAP	GADAP	SD/63/13/031	M	14	7/15/2013	7+	Late Notified			Y	Y	Y	Y	339
3	BAGH	BAGH	AJ/50/13/012	F	34	12/22/2013	7+	1/14/2014	1/17/2014	NVI	Y	Y	Y	Y	179
4	GHIZER	PUNIAL	GB/41/13/001	M	66	9/2/2013	7+	9/6/2013		EV	N	Y	Y	DIED	290

€ Based on recall of parents  
 \* Afp.rec Data as of 19-06-2014

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 (1/1)**

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		94
2	FAISALABAD	FAISALABAD CITY	PB/51/14/029	M	66	3/15/2014	7+	4/30/2014	5/1/2014	NVI	Y	N	Y		96
3	GUJRANWALA	KAMOKE	PB/21/14/032	M	22	3/8/2014	7+	4/30/2014	5/1/2014	NVI	Y	Y	Y		103
4	MUZFARGARH	JATOI	PB/83/14/015	M	3	3/11/2014	3	3/25/2014	3/26/2014	VACC	Y	Y	Y		100
5	MUZFARGARH	JATOI	PB/83/14/023	M	7	3/12/2014	7+	4/25/2014	4/26/2014	NVI	Y	Y	UK		99
6	RAJANPUR	JAMPUR	PB/82/14/006	F	18	2/23/2014	7+	Late Notified			Y	N	Y	Y	116
7	RAJANPUR	ROJHAN	PB/82/14/021	M	24	3/12/2014	7+	4/4/2014	4/5/2014	EV	Y	Y	Y	Y	99
8	RAWALPINDI	RAWALPINDI	PB/11/14/004	M	10	1/26/2014	7+	2/12/2014		NVI	Y	Y	Y	Y	144
9	VEHARI	MAILSI	PB/63/14/024	F	81	2/25/2014	7+	Child Died Before Stool Collection			Y	Y	Y		114
10	JACOBABAD	JACOBABAD	SD/53/14/005	M	48	3/20/2014	7+	4/4/2014	4/6/2014	NVI	Y	Y	Y	Y	91
11	KHAIRPUR	KHAIRPUR	SD/43/14/003	F	72	1/28/2014	7+	Child Died Before Stool Collection			Y	Y	Y	DIED	142
12	KHIGADAP	GADAP	SD/63/14/004	M	10	1/5/2014	0	3/5/2014	3/6/2014	EV	Y	Y	Y	Y	165
13	KHIGIQBAL	G-IQBAL	SD/65/14/006	M	17	3/1/2014	7+	4/7/2014	4/8/2014	NVI	Y	Y	Y	Y	110
14	KHIJAMSHEED	JAMSHEED	SD/66/14/001	F	121	1/14/2014	7+	1/27/2014	1/29/2014	NVI	Y	N	Y		156
15	KHIKORANGI	KORANGI	SD/68/14/001	M	23	1/5/2014	7+	Child Died Before Stool Collection			N	N	N	DIED	165
16	UMERKOT	SAMARO	SD/34/14/002	F	24	1/14/2014	7+	Child Died Before Stool Collection			Y	N	Y	DIED	156
17	BATAGRAM	BATAGRAM	KP/11/14/006	M	120	3/1/2014	7+	4/5/2014	4/6/2014	NVI	Y	Y	Y		110
18	CHARSADA	SHABQADAR	KP/31/14/005	M	10	1/26/2014	7+	2/8/2014	2/10/2014	EV	N	Y	Y		144
19	CHARSADA	CHARSADA	KP/31/14/013	F	25	1/26/2014	7+	3/21/2014	3/23/2014	EV	N	Y	Y		144
20	CHITRAL	CHITRAL	KP/21/14/001	M	48	1/22/2014	7+	1/31/2014			Y	N	Y		148
21	KOHAT	KOHAT	KP/50/14/011	F	17	3/5/2014	7+	Late Notified			Y	N	Y		106
22	PESHAWAR	PESHAWAR	KP/30/14/027	F	18	3/12/2014	7+	4/1/2014	4/2/2014	VACC	Y	Y	Y	Y	99
23	PESHAWAR	PESHAWAR	KP/30/14/034	M	36	3/1/2014	7+	4/15/2014	4/16/2014	NVI	N	Y	Y	Y	110
24	PESHAWAR	PESHAWAR	KP/30/14/060	F	32	2/28/2014	7+	Late Notified			N	Y	Y	Y	111
25	TANK	TANK	KP/63/14/002	M	18	2/5/2014	7+	3/6/2014	3/8/2014	EV	Y	N	UK		134
26	BARKHAN	BARKHAN	BN/23/14/001	M	36	1/19/2014	3	1/30/2014		NVI	Y	Y	UK	DIED	151
27	DBUGTI	DERA BUGTI	BN/35/14/001	M	33	1/20/2014	7+	2/22/2014	2/23/2014	NVI	Y	Y	Y		150
28	JAFARABAD	JHAT PAT	BN/43/14/005	F	14	2/5/2014	7+	2/19/2014	2/21/2014	NVI	Y	Y	Y	Y	134
29	KALAT	KALAT	BN/53/14/001	M	120	2/1/2014	7+	3/1/2014	3/4/2014	NVI	N	Y	Y	Y	138
30	SIBI	LEHRI	BN/31/14/004	F	35	2/28/2014	3	3/26/2014	3/27/2014	NVI	Y	Y	N	Y	111
31	HAVELI	HAVELI	AJ/51/14/002	F	120	2/16/2014	3	4/17/2014	4/19/2014	NVI	Y	N	Y	Y	123
32	FR BANNU	FR BANNU	FT/69/14/011	M	8	2/3/2014	0	2/20/2014	2/21/2014	NVI	Y	Y	Y		136
33	FR BANNU	FR BANNU	FT/69/14/020	M	21	2/17/2014	0	Late Notified			Y	Y	Y	Y	122
34	WAZIR-N	MIRAN SHAH	FT/64/14/044	M	12	1/27/2014	0	3/2/2014	3/3/2014	VACC	Y	Y	Y		143
35	WAZIR-N	MIRAN SHAH	FT/64/14/052	M	8	3/1/2014	0	3/13/2014		NVI	Y	Y	Y		110

€ Based on recall of parents

\* Afp.rec Data as of 19-06-2014

60 days Follow-up not done

FUP = Residual Weakness at 60 days follow up.