



**World Health  
Organization**

# **Weekly AFP Surveillance Update Pakistan**

**Week 23** (*Ended on 07<sup>th</sup> June, 2014*)

***National Surveillance Cell  
Federal EPI***

World Health Organization Country Office,  
Chak Shahzad, Park Road,  
Islamabad, Pakistan

Tel: +92-51 9255123 / 9255282 /9255184

Fax: +92-51 9255274

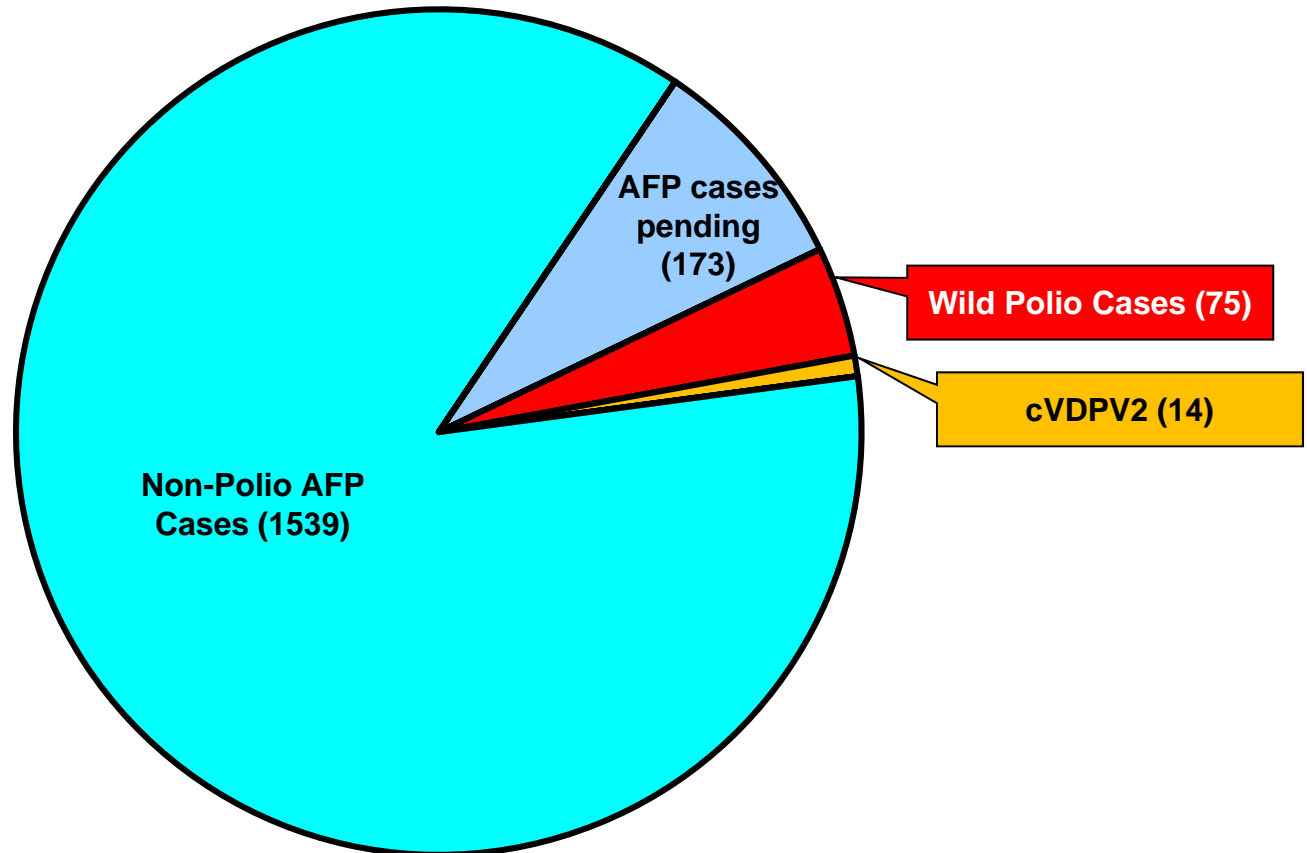
Email: [epidata@pak.emro.who.int](mailto:epidata@pak.emro.who.int)

Web site: [www.who.gov.pk](http://www.who.gov.pk)

AFP Surveillance



# AFP Case Profile, 2014\*



**Total AFP Cases Reported = 1801**

**^20 Inadequate cases pending classification by ERC;  
^73 Inadequate cases not due for FUP  
^80 Pending in the Lab**

\* Afp.rec Data as of 05-06-2014

## 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	10	57	3	4	17-May -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>18</b>	<b>75</b>	<b>10</b>	<b>10</b>	<b>19-May-14</b>

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

\* Afp.rec Data as of 05-06-2014

***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	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	10	Y	Y	Y	N	NSL1	R4B

\$ Security compromised area

^Under investigation

\* Afp.rec Data as of 05-06-2014

***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 05-06-2014

**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	WPV 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	10	Y	Y	Y	N	NSL1	R4B
49	SINDH	KARACHI	ORANGI	SD/75/14/005	F	22	30-Mar-14	3	10	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	10	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/64/14/082	F	6	30-Apr-14	0	0	Y	Y	Y	N	NSL1	R4B
66	FATA	KHYBER\$	BARA	FT/34/14/010	M	27	01-May-14	0	0	Y	Y	Y	N	NSL1	R4B

\$ Security compromised area

^Under investigation

\* Afp.rec Data as of 05-06-2014

**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	FR BANNU	FR BANNU	FT/69/14/018	F	7	02-May-14	0	0	Y	Y	Y	N	NSL1	R4B
68	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/083	M	23	29-Apr-14	0	0	Y	Y	Y	N	NSL1	R4B
69	SINDH	KHISITE	SITE	SD/78/14/002	F	30	04-Apr-14	2	10	Y	Y	Y	Y	NSL1	R4B
70	FATA	WAZIR-N\$	MIR ALI	FT/64/14/092	M	10	15-May-14	0	0	Y	Y	Y	N	NSL1	
71	KPAKHTUNKHWA	BANNU	BANNU	KP/61/14/012	F	42	10-May-14	0	4	Y	Y	Y	N	NSL1	
72	KPAKHTUNKHWA	BANNU	BANNU	KP/61/14/019	F	18	04-May-14	0	4	Y	Y	Y	Y	NSL1	
73	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/084	F	22	07-May-14	0	0	Y	Y	Y	N	NSL1	
74	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/090	M	23	17-May-14	0	0	Y	Y	Y	N	NSL1	
75	KPAKHTUNKHWA	BANNU	BANNU	KP/61/14/017	M	18	19-May-14	0	0	Y	Y	Y	N	NSL1	

\$ Security compromised area

**New Case**

^Under investigation

\* Afp.rec Data as of 05-06-2014

**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	Results within 14 days	
	n	n	n	n	n	%	n	%	n	n	%
January	383	267	0	0	25	7	69	18%	17	378	99%
February	368	271	0	0	35	10	42	11%	18	366	99%
March	391	265	3	0	41	10	67	17%	14	387	99%
April	414	274	0	0	12	3	107	26%	17	410	99%
May	451	201	126	0	13	3	101	22%	9	324	72%
June	11	0	11	0	0	0	0	0%	0	0	0%
Pakistan	2018	1278	140	0	126	6	386	19%	75	1865	92%

\* Data as of 09-06-2014



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

S. #	Basic information									OPV doses				Urgent		Prov Diagnosis	Lab update			Remarks
	District	Tehsil	Union council	Epid number	Date of Onset	Age (Y)	Sex	Date of 1st stool	Stool Adeq	RI	S1As	Last 6 S1As	Last dose	By Field	By NSC $\forall$		Lab No.	Days Inoc	Culture update	
<b>Isolates pending for ITSD</b>																				
1	WAZIR-N	DATTA KHAIL	LATTAKA-2	FT/64/14/089	17-May-14	30	M	26-May-14	Y	0	0	0		Y		POLIO MYELITIS	2384	5	P1	Discardant $\emptyset$
2	WAZIR-N	MIRAN SHAH	DEGON	FT/64/14/091	17-May-14	8	M	24-May-14	Y	0	0	-		Y	Y	POLIO	2417	4	P1	Discardant $\emptyset$
3	WAZIR-N	MIRAN SHAH	SPULGA	FT/64/14/093	23-May-14	24	F	26-May-14	Y	0	0	0		Y	Y	POLIO MYELITIS	2416	4	P2	Discardant $\emptyset$
4	WAZIR-N $\S$	MIRAN SHAH	MAMI ROGHA	FT/64/14/094	21-May-14	36	F	26-May-14	Y	0	0	-		Y	Y	POLIO MYELITIS	2415	4	P1	Discardant $\emptyset$
5	WAZIR-N *	MIRAN SHAH	MADA KHEL	FT/64/14/097	23-May-14	4	M	31-May-14	Y	0	0	0		Y	Y	POLIO	2492	5	L20B+	
6	BANNU	BANNU	MUMBATI	KP/61/14/018-C1		30	M	26-May-14	-	-	-	-		N	-		2355	5	P2	Discardant $\emptyset$
7	LAKKIMRWT	NAURANG	TAKHTI KHEL	KP/62/14/016	08-May-14	16	M	27-May-14	N	0	7+	6		N		GBS	2381	5	P2	Discardant $\emptyset$
8	TMKHAN	BS KARIM	JANAN SOOMRO	SD/26/14/011	09-May-14	24	M	13-May-14	Y	0	6	6	25-Mar-14	N	-	TRAUMATIC NEURITIS	2161	3	P2	Discardant $\emptyset$
<b>Reported urgent (by field / NSC<math>\forall</math> criteria)</b>																				
9	KHYBER	BARA	MILWARD	FT/34/14/013	25-May-14	10	M	29-May-14	Y	3	0	0	12-Jan-13	Y	Y	INI NEURITIS / POLIO	2452	8	UP	
10	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	
11	WAZIR-N	MIRAN SHAH	BOORA KHEL	FT/64/14/095	24-May-14	11	F	28-May-14	Y	0	0	-		Y	Y	POLIO	2431	10	UP	
12	BANNU	BANNU	MUMBATI	KP/61/14/018	03-May-14	28	M	26-May-14	Y	0	7+	-	14-Apr-14	N	-	TRAUMA	2336	13	UP	INDEX CASE
13	SWAT	MATTA	DRUSH KHELA	KP/24/14/013	20-May-14	5	M	29-May-14	Y	3	1	1	14-Apr-14	N	Y	INI NEURITIS	2466	6	UP	SERVICE DELIVER ISSUES

\* New addition    § New results    # Data not available     $\forall$  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     $\emptyset$  Pending for genomic sequencing



## Comparison environmental sampling results 2013-14

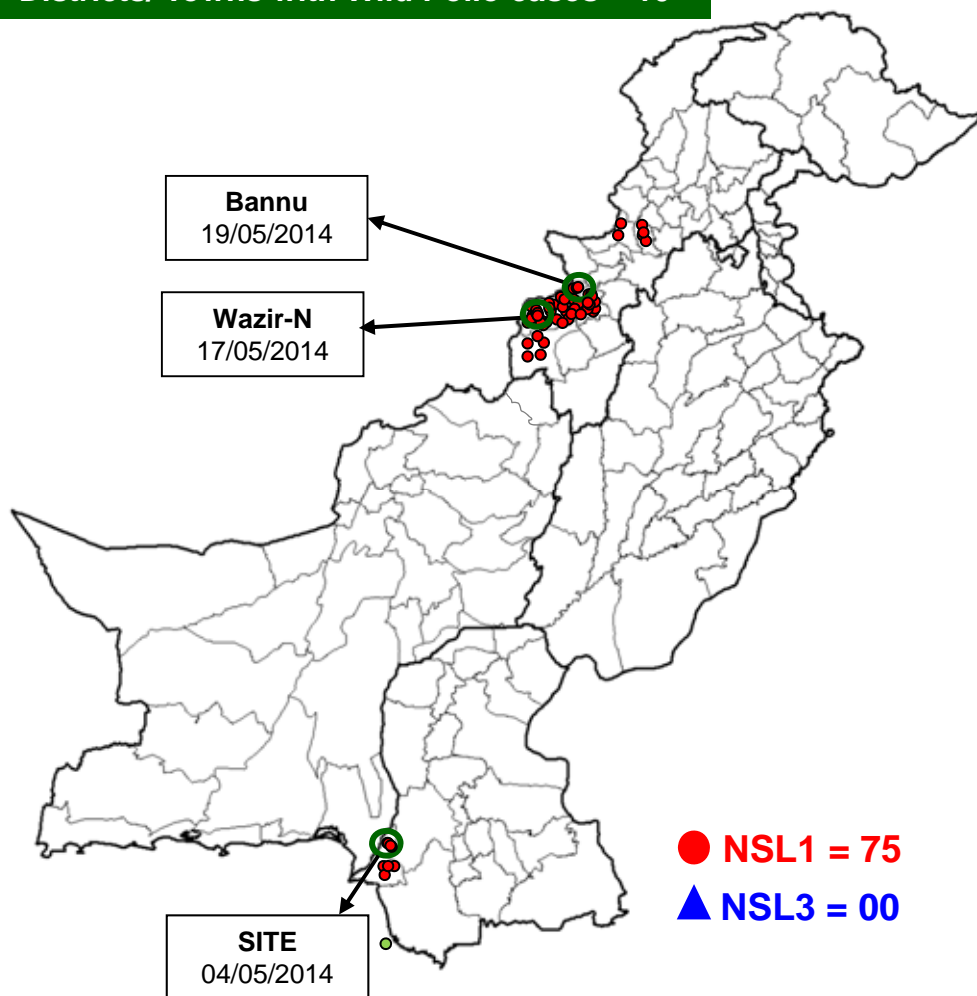
DISTRICT	2012			2013			Last
	TOTAL	WILD		TOTAL	WILD		
	n	n	%	n	n	%	
LAHORE	26	0	0%	24	7	29%	12-May-14
MULTAN	15	0	0%	13	0	0%	09-Dec-13
RAWALPINDI	5	1	20%	8	2	25%	21-May-14
FAISALABAD	17	1	6%	14	0	0%	03-Jan-13
KHIGIQBAL	11	0	0%	9	8	89%	07-May-14
KHIGADAP	13	4	31%	14	9	64%	15-May-14
KHIBALDIA	10	0	0%	9	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	2	15%	31-Mar-14
<b>PAKISTAN</b>	<b>136</b>	<b>19</b>	<b>14%</b>	<b>134</b>	<b>45</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	May, 2014	Oct, 2010	12	-
FATA	May, 2014	Apr, 2012	57	-
BALUCHISTAN	Oct, 2012	Apr, 2010	-	-
AJK	June, 2000	Jun, 2000	-	-
GILGIT-BALTISTAN	Aug, 2012	-	-	-
ISLAMABAD	Sep, 2008	Sep, 2008	-	-
<b>PAKISTAN</b>	<b>May, 2014</b>	<b>Apr, 2012</b>	<b>75</b>	<b>-</b>

○ District with last polio case in province

Cases randomly placed  
in districts

— Provincial Boundary  
— Districts Boundary

\* Afp.rec Data as of 05-06-2014

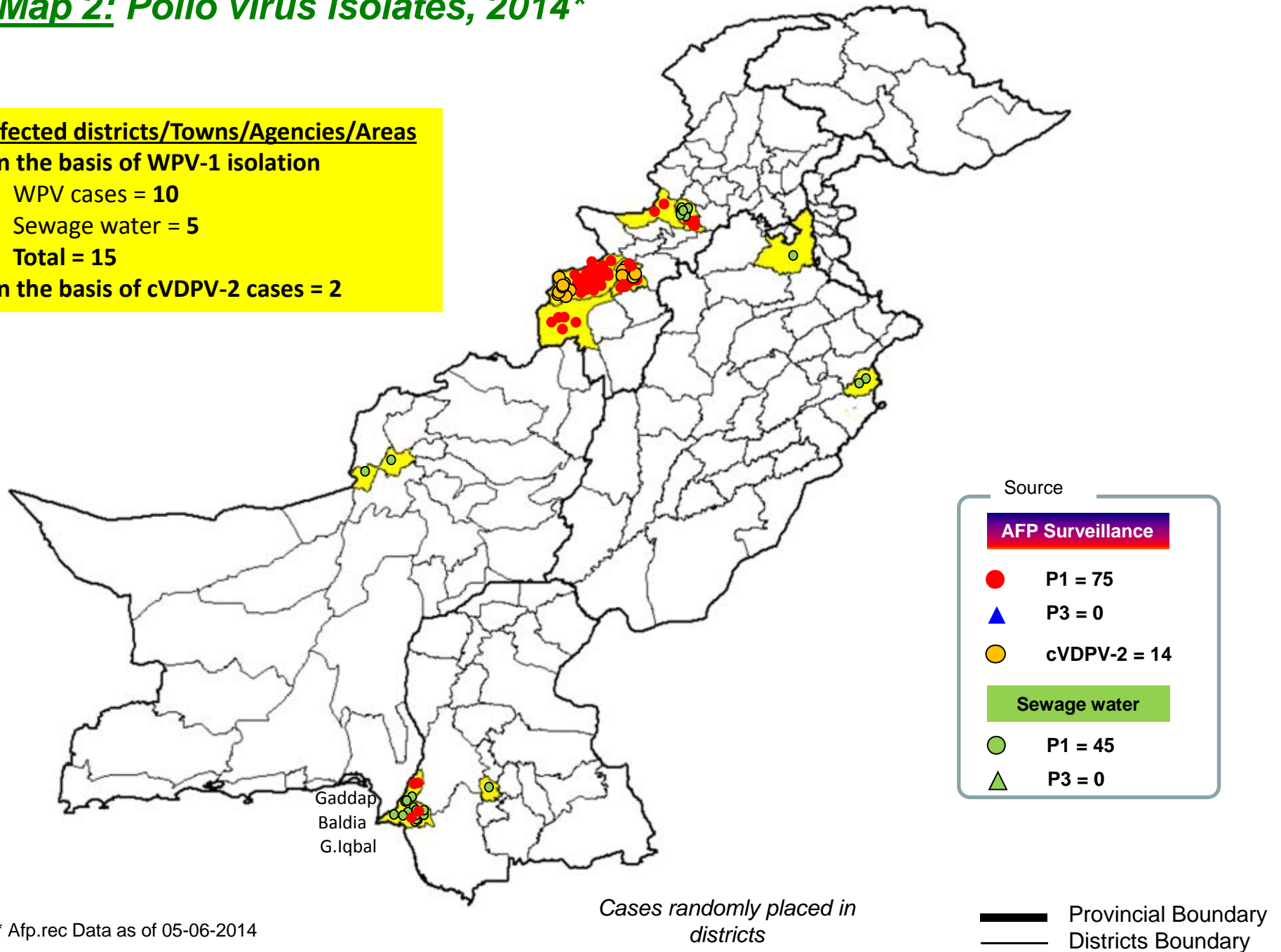
## Map 2: Polio virus isolates, 2014\*

### Infected districts/Towns/Agencies/Areas

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

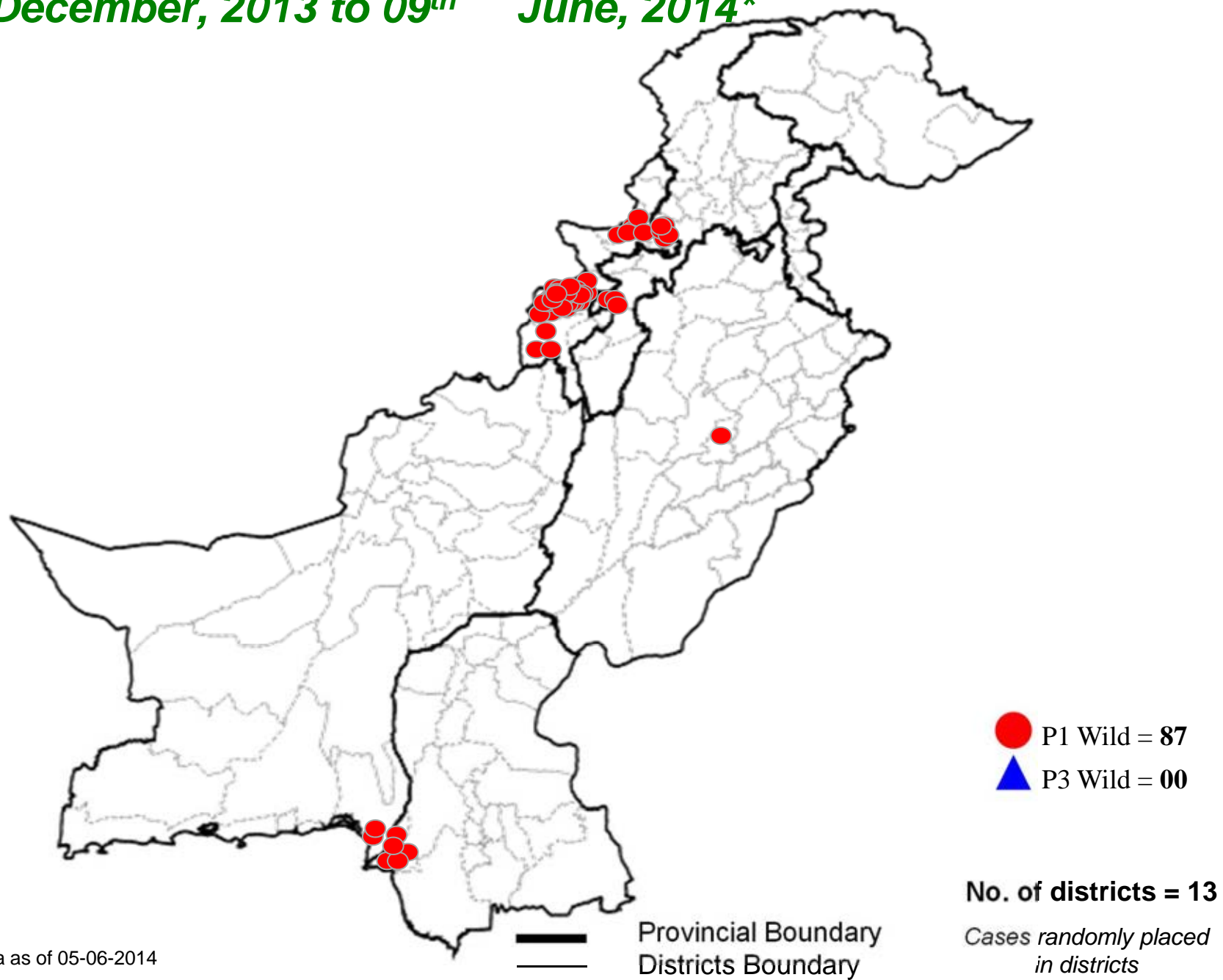
- WPV cases = 10
- Sewage water = 5
- Total = 15

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



\* Afp.rec Data as of 05-06-2014

**Map 3: Wild Polio cases in the last 6 months from**  
**10<sup>th</sup> December, 2013 to 09<sup>th</sup> June, 2014\***



\* Afp.rec Data as of 05-06-2014

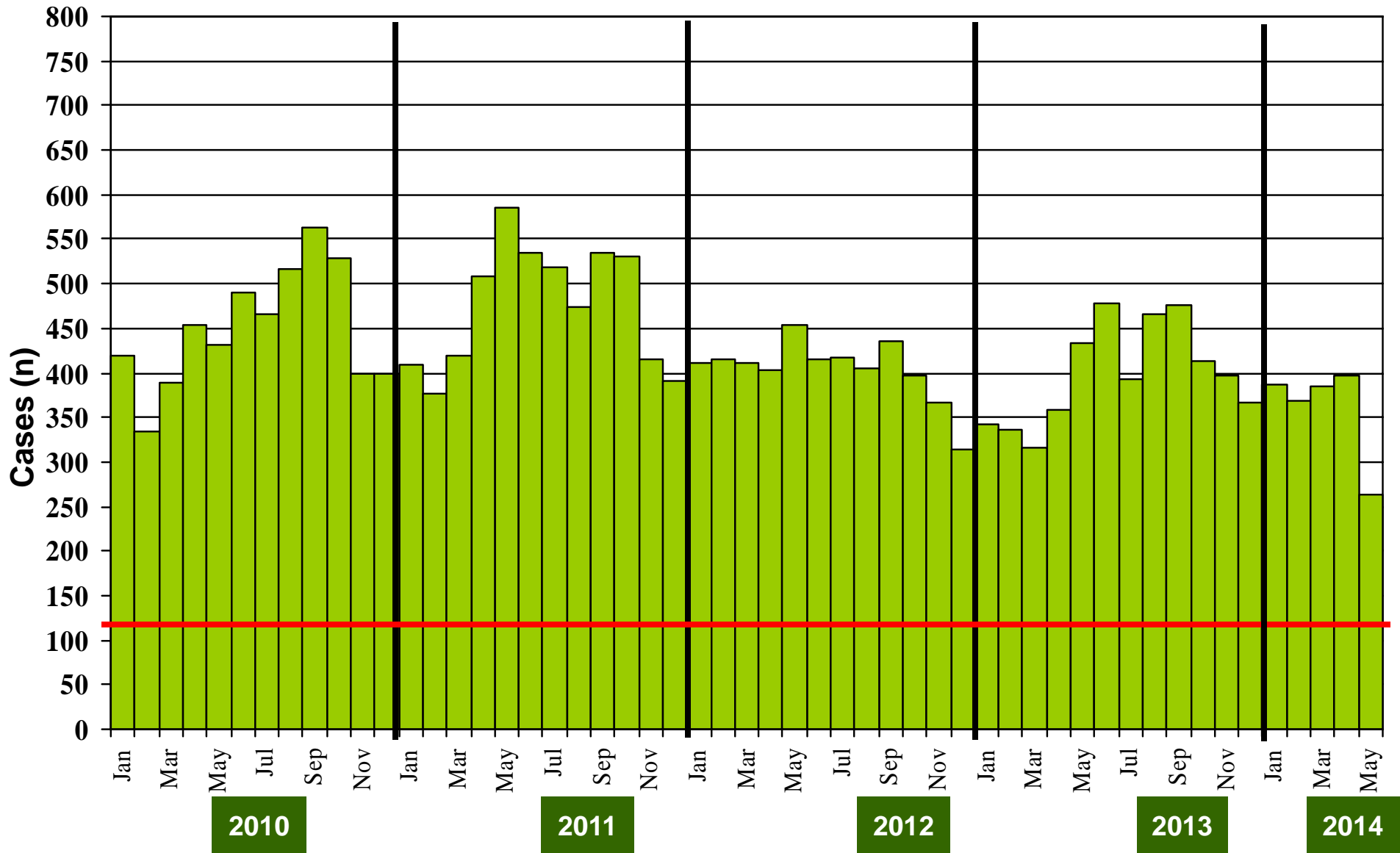
**Table 4: Distribution of AFP Cases By Week of Onset ^  
Pakistan 2013-14\* [Week number/Ending on]**

PROVINCE	W 08 22 Feb 2014	W 09 01 Mar 2014	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
PUNJAB	34	48	39	32	51	40	36	32	60	55	54	63	57	48	19
SINDH	17	20	23	19	26	27	25	24	21	19	20	17	28	12	2
KP	23	18	17	20	19	16	15	15	22	22	23	16	13	20	8
FATA	7	6	7	5	7	7	7	7	5	8	8	8	9	6	1
BALUCHISTAN	5	1	3	1	2	4	1	1	0	6	5	6	2	6	0
AJK	2	1	1	0	0	0	0	0	0	0	0	0	1	1	1
GILGIT BILTISTAN	2	0	0	0	0	0	0	0	2	0	0	0	0	1	0
ISLAMABAD	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
<b>PAKISTAN</b>	<b>90</b>	<b>94</b>	<b>90</b>	<b>77</b>	<b>105</b>	<b>94</b>	<b>84</b>	<b>79</b>	<b>110</b>	<b>111</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>95</b>	<b>31</b>

\* Afp.rec & Afplab.rec: Data as of 05-06-2014

^ MMWR Epidemiological Weeks

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

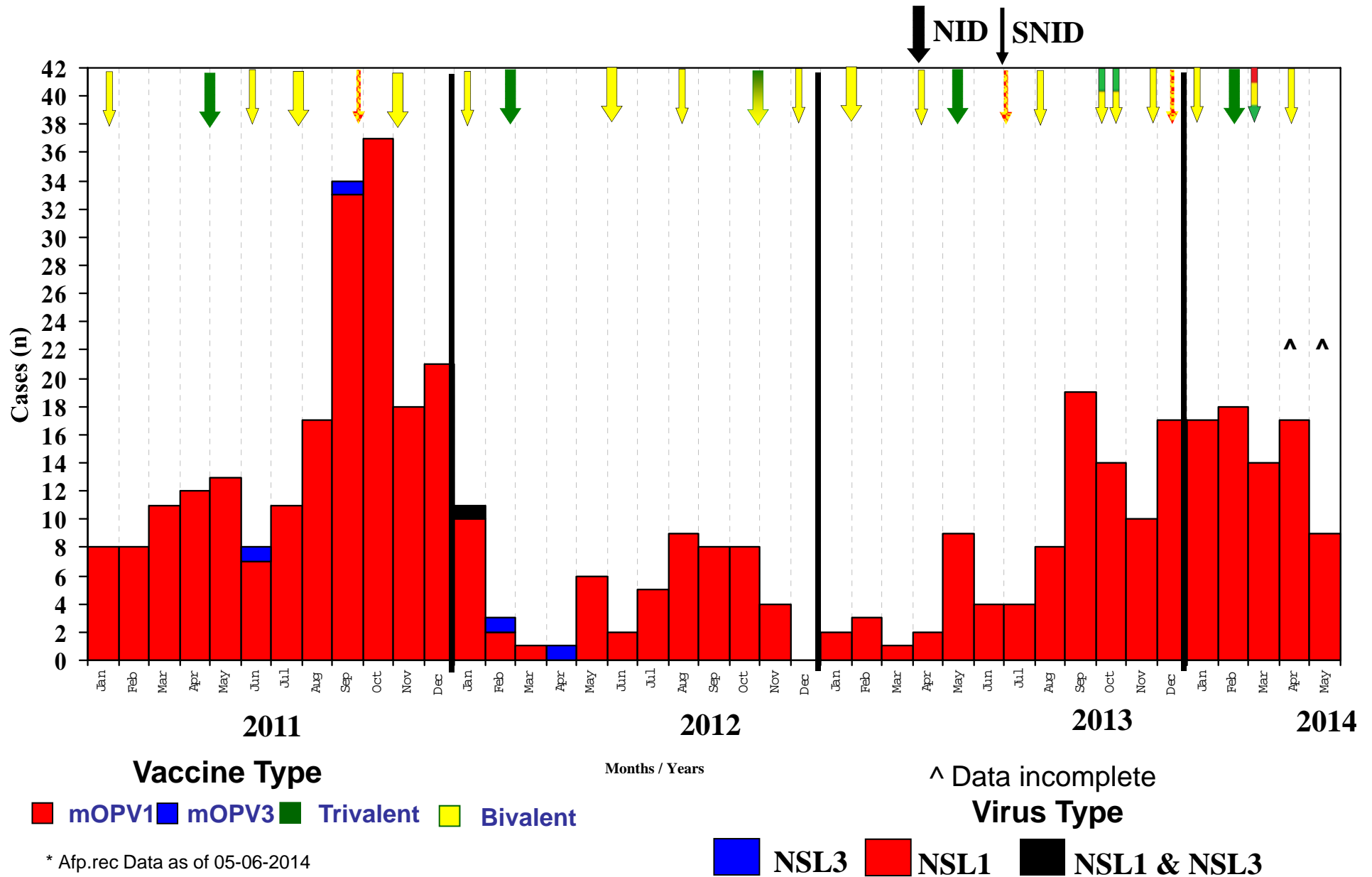


**@ Non-polio AFP rate of 2/100,000 children < 15 years**

\* Afp.rec Data as of 05-06-2014



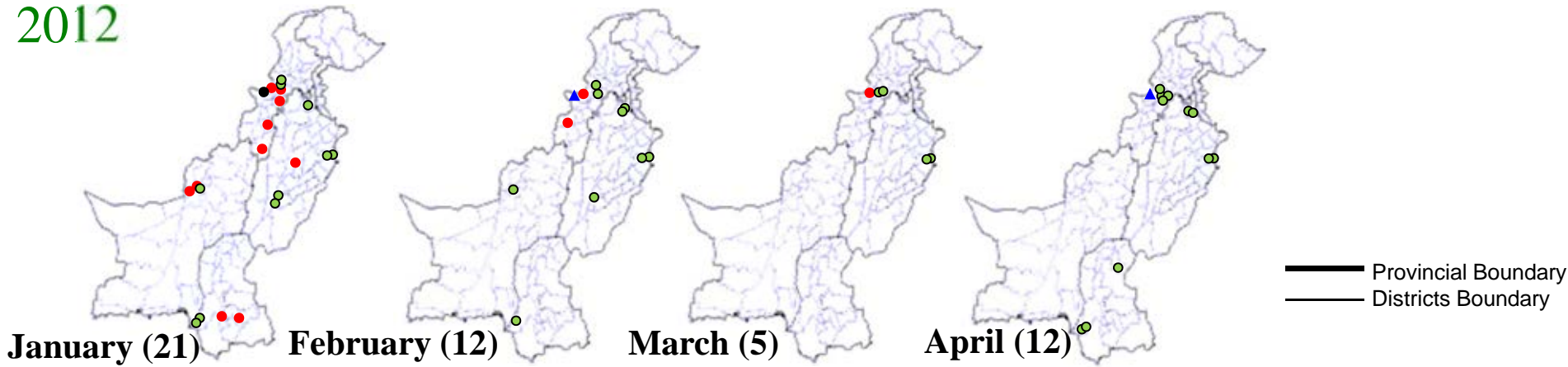
# Confirmed Polio Cases By Poliovirus Type, 2011-2014\*



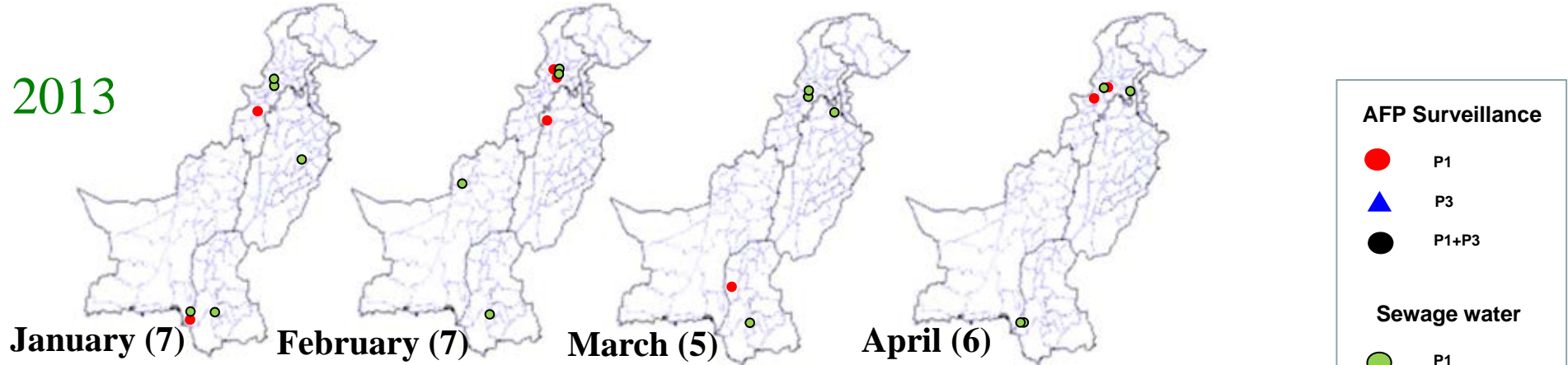
\* Afp.rec Data as of 05-06-2014

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

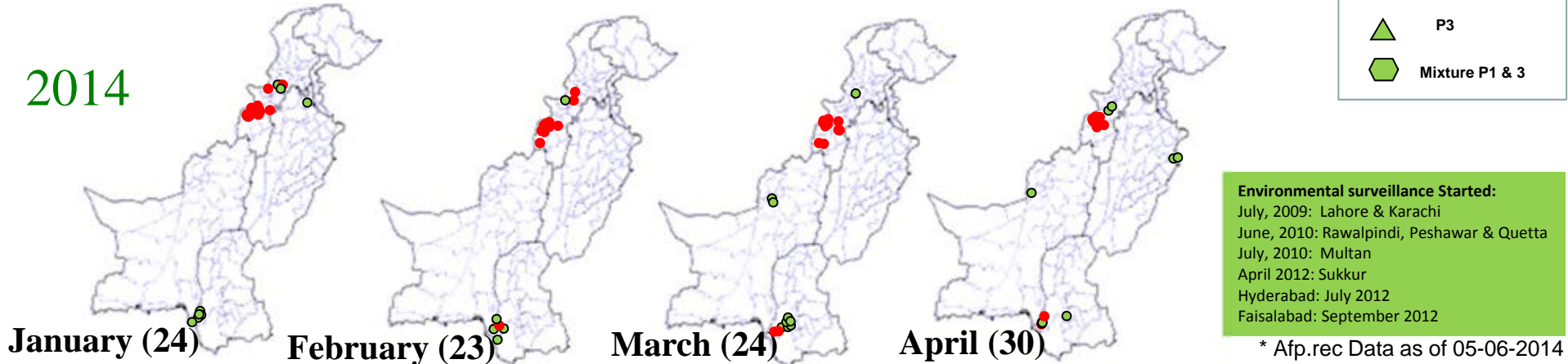
2012



2013



2014



**AFP Surveillance**

- P1
- ▲ P3
- P1+P3

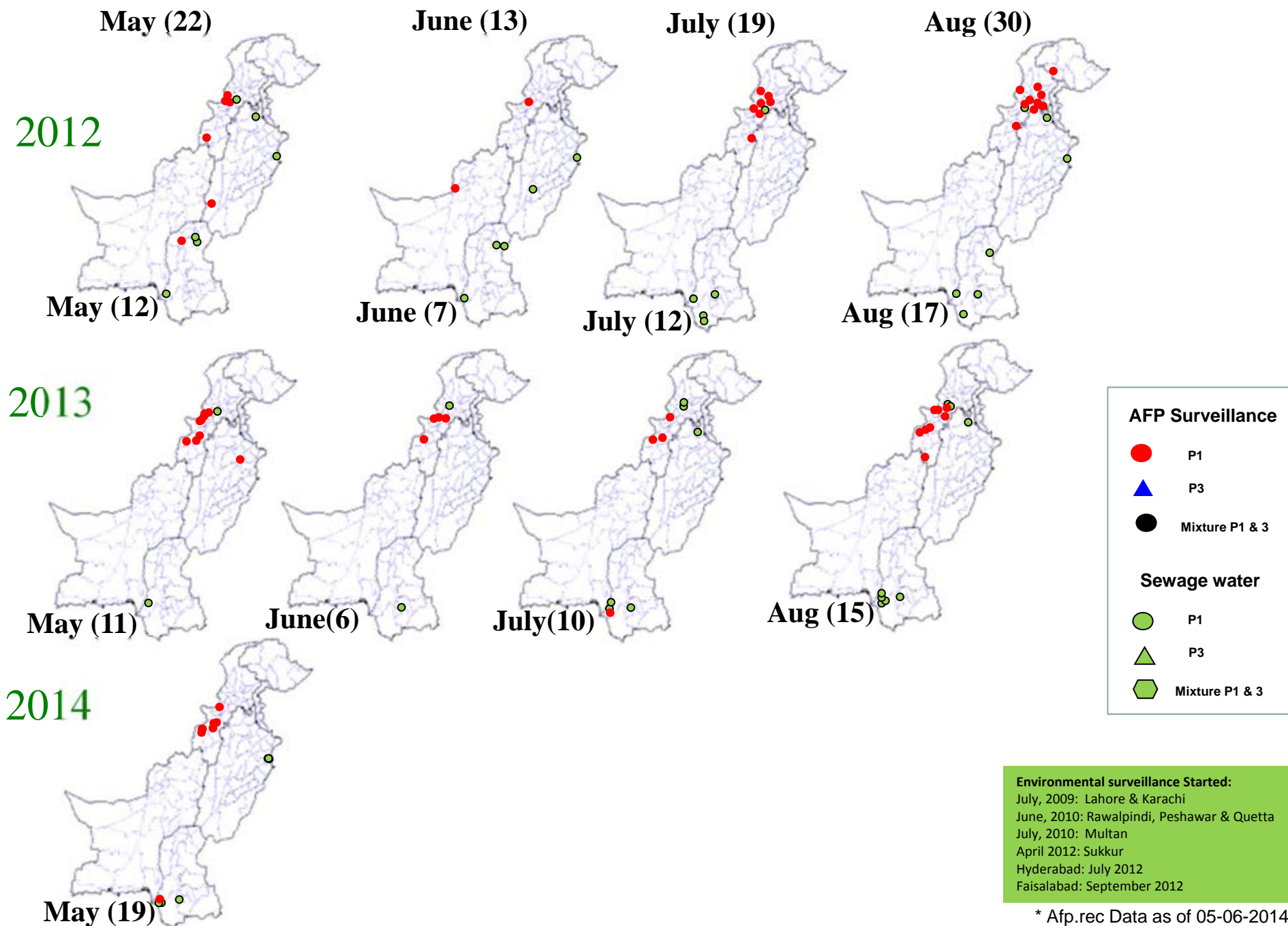
**Sewage water**

- 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 05-06-2014

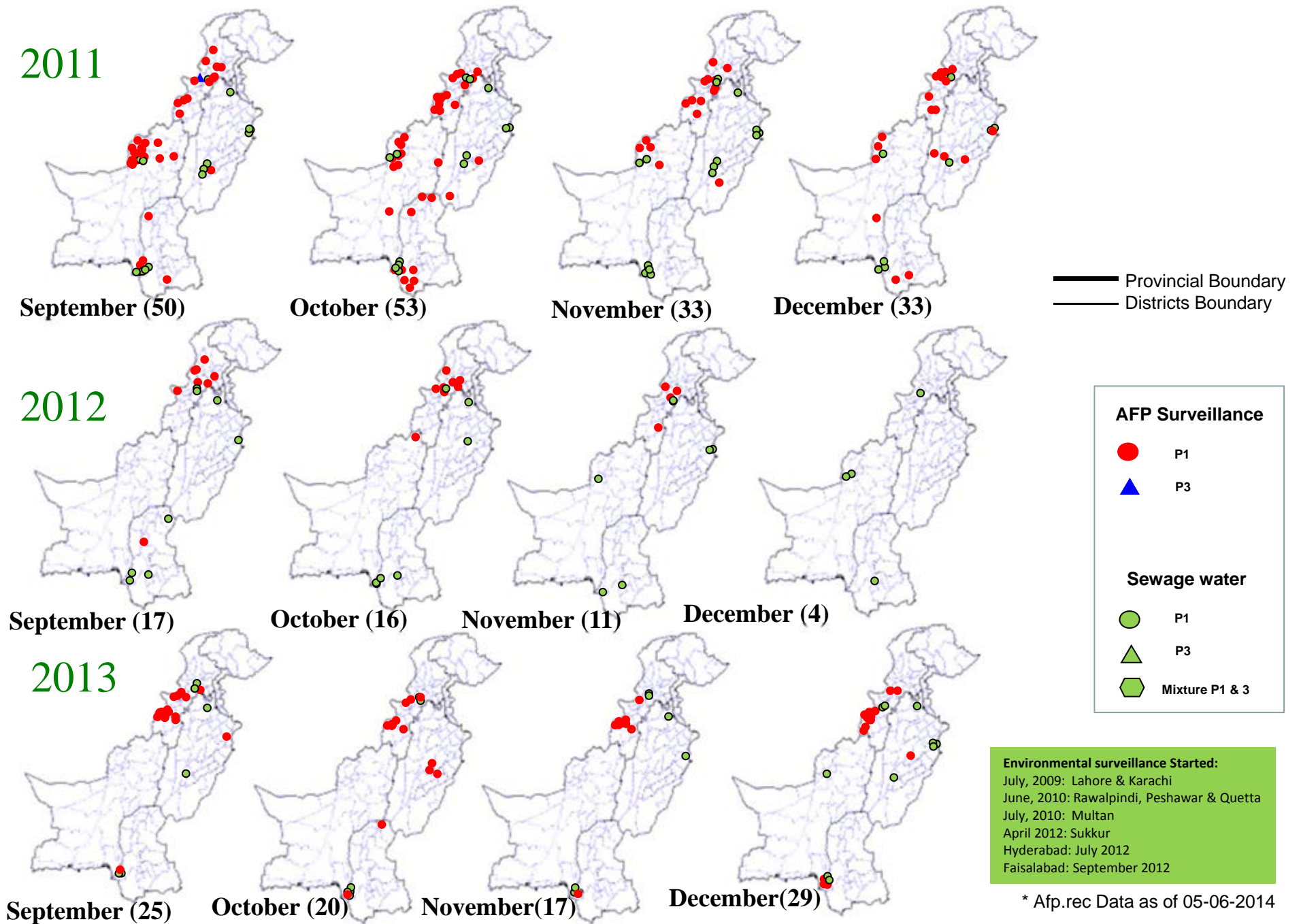
# Map 4.1: Monthly Comparison of P1 & P3 Polio Cases/Isolates 2011-2013\*



\* Afp.rec Data as of 05-06-2014



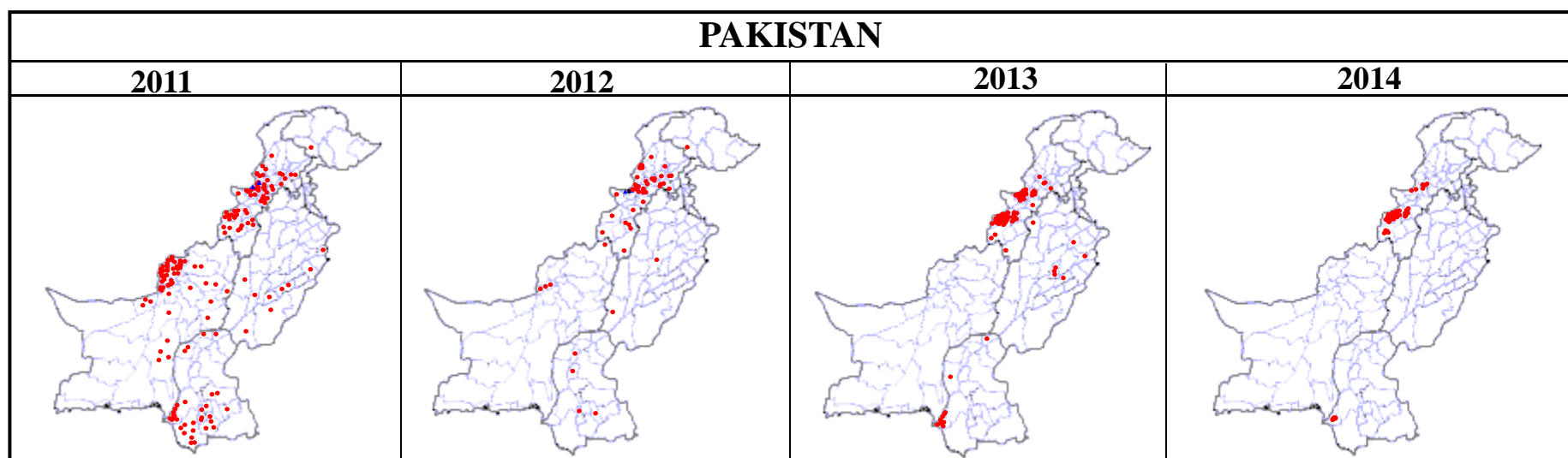
# Map 4.2: Monthly Comparison of P1 & P3 Polio Cases/Isolates 2011-2013\*



## 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	57	2	2	-	-	59	20^	65	57
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>75</b>	<b>2</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>198</b>	<b>58</b>	<b>93</b>	<b>75</b>

^ FATA reported mixture of NSL1 & NSL3



\* Afp.rec Data as of 05-06-2014

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

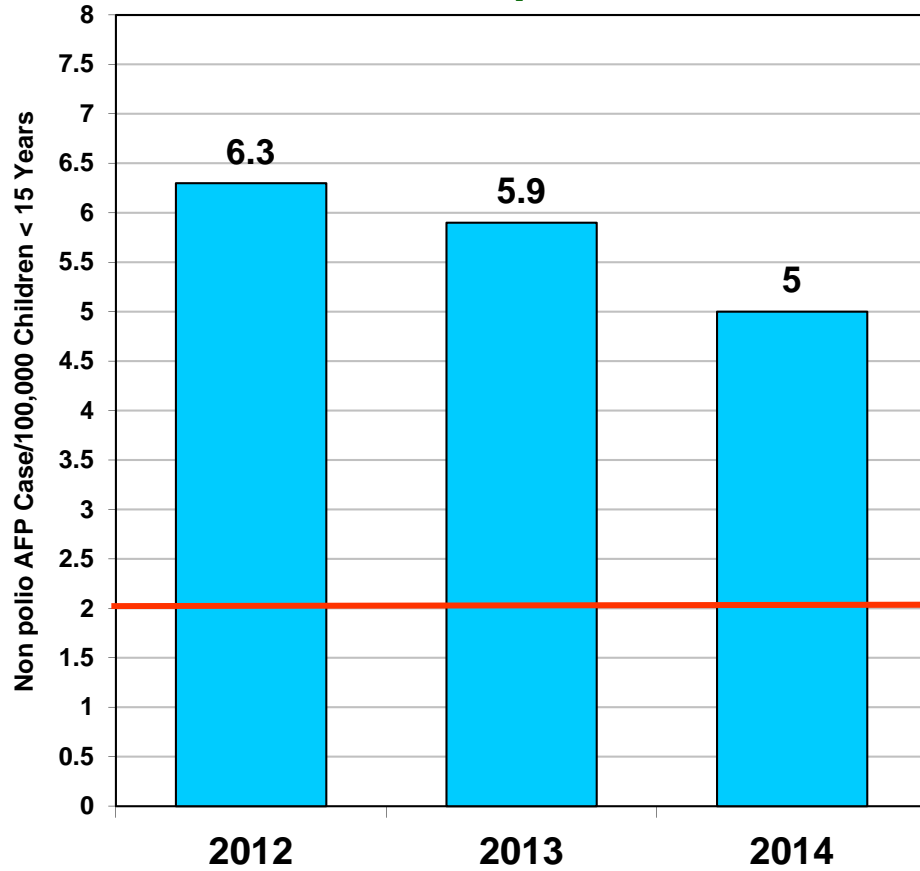
REGION	0 dose				1-2 doses				3 doses				4-6 doses				7+ doses			
	11	12	13	14	11	12	13	14	11	12	13	14	11	12	13	14	11	12	13	14
Central Punjab	0%	0%	0%	0%	1%	0%	0%	0%	2%	0%	1%	2%	6%	4%	7%	3%	92%	95%	91%	95%
North Punjab	0%	0%	0%	0%	1%	0%	0%	1%	1%	0%	0%	1%	5%	4%	4%	4%	93%	96%	96%	94%
South Punjab	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	5%	4%	5%	1%	93%	96%	94%	96%
<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>2%</b>	<b>93%</b>	<b>96%</b>	<b>93%</b>	<b>96%</b>
Karachi	4%	1%	1%	6%	1%	1%	5%	4%	0%	2%	0%	4%	6%	6%	6%	2%	86%	90%	88%	84%
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%
<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>5%</b>	<b>92%</b>	<b>93%</b>	<b>92%</b>	<b>92%</b>
Central Khyber Pakhtunkhwa	1%	2%	2%	1%	1%	1%	1%	0%	0%	0%	1%	2%	3%	2%	2%	4%	95%	95%	95%	94%
North Khyber Pakhtunkhwa	1%	2%	1%	3%	2%	2%	1%	0%	1%	2%	1%	1%	7%	9%	7%	8%	90%	85%	91%	88%
South Khyber Pakhtunkhwa	2%	2%	1%	3%	4%	1%	0%	0%	4%	1%	1%	0%	7%	9%	4%	5%	83%	87%	95%	93%
<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>0%</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>57%</b>	<b>10%</b>	<b>6%</b>	<b>6%</b>	<b>6%</b>	<b>5%</b>	<b>3%</b>	<b>6%</b>	<b>1%</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%	0%	23%	3%	3%	0%	12%	17%	28%	0%	50%	57%	49%	100%
Quetta Block	31%	14%	8%	0%	10%	10%	8%	8%	3%	0%	0%	0%	14%	14%	9%	15%	43%	62%	64%	77%
Rest of Balochistan	7%	9%	5%	0%	2%	6%	3%	5%	5%	5%	5%	14%	10%	10%	25%	10%	76%	70%	60%	71%
<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>6%</b>	<b>12%</b>	<b>17%</b>	<b>20%</b>	<b>8%</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 05-06-2014

# Key Surveillance Indicators; 2012-2014\*

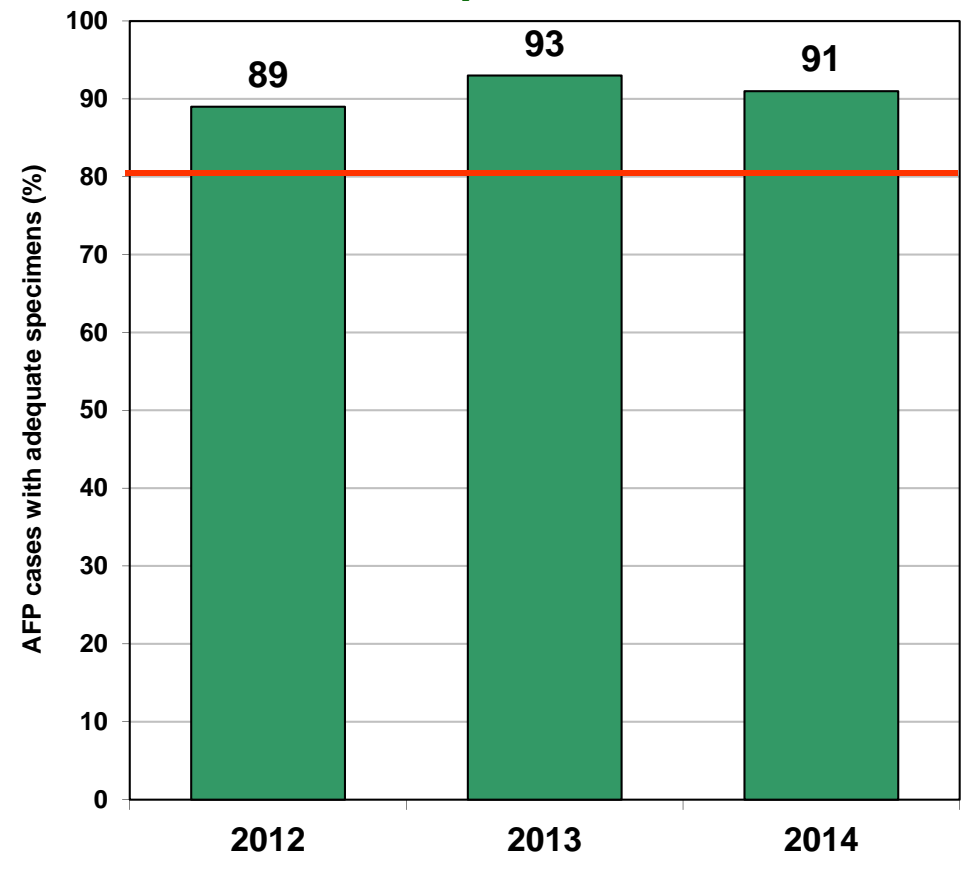
(Non polio AFP rate and % AFP cases with adequate specimens)

**Graph 3**



■ Non Polio AFP Rate

**Graph 4**



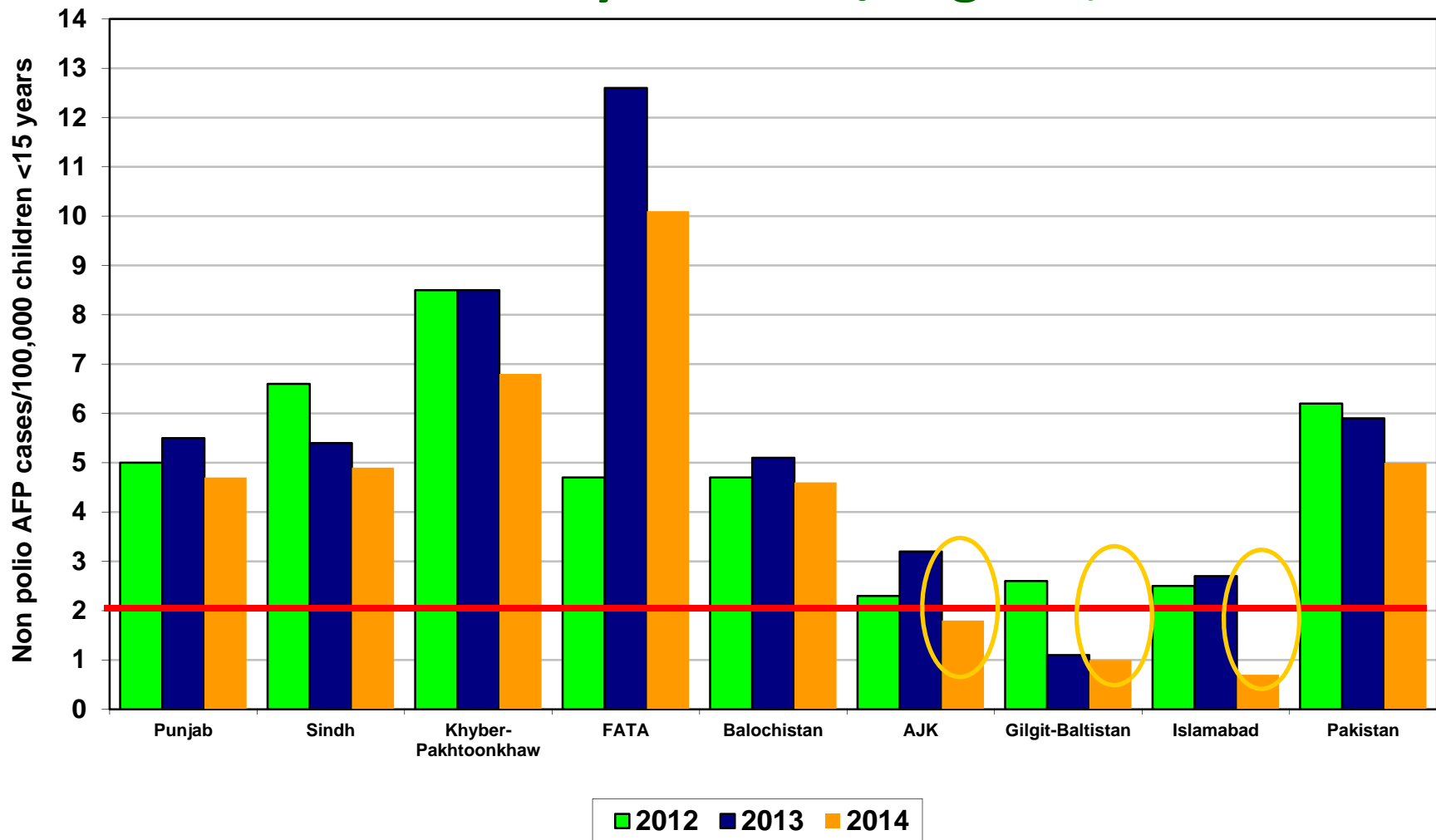
■ % AFP with Adequate Specimens

— Target

Non Polio AFP rate Up to Week No. 22 ended on 31<sup>st</sup> May, 2014

\* Afp.rec Data as of 05-06-2014

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



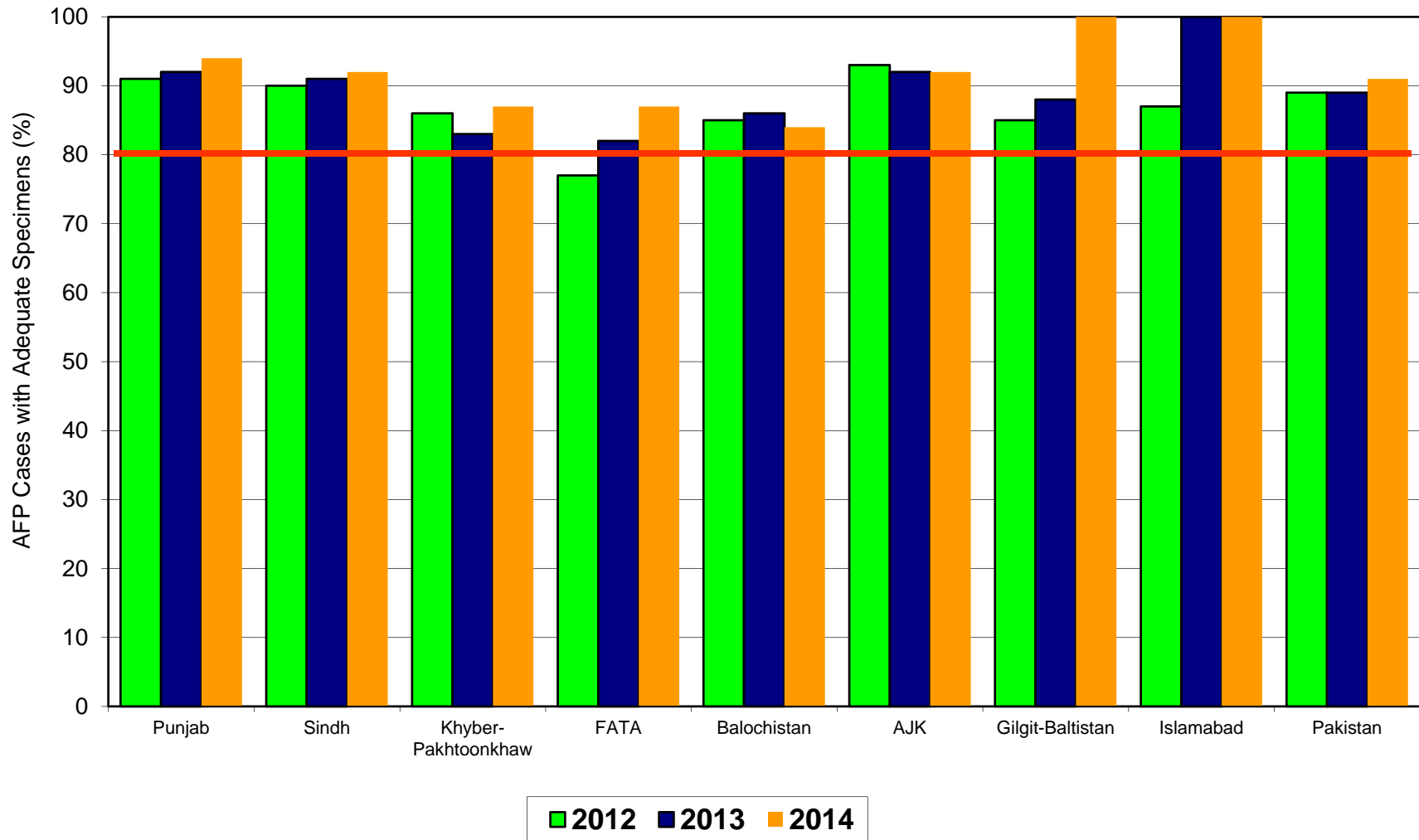
Non Polio AFP rate Up to Week No. 22 ended on 31<sup>st</sup> May, 2014

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

\* Afp.rec Data as of 05-06-2014



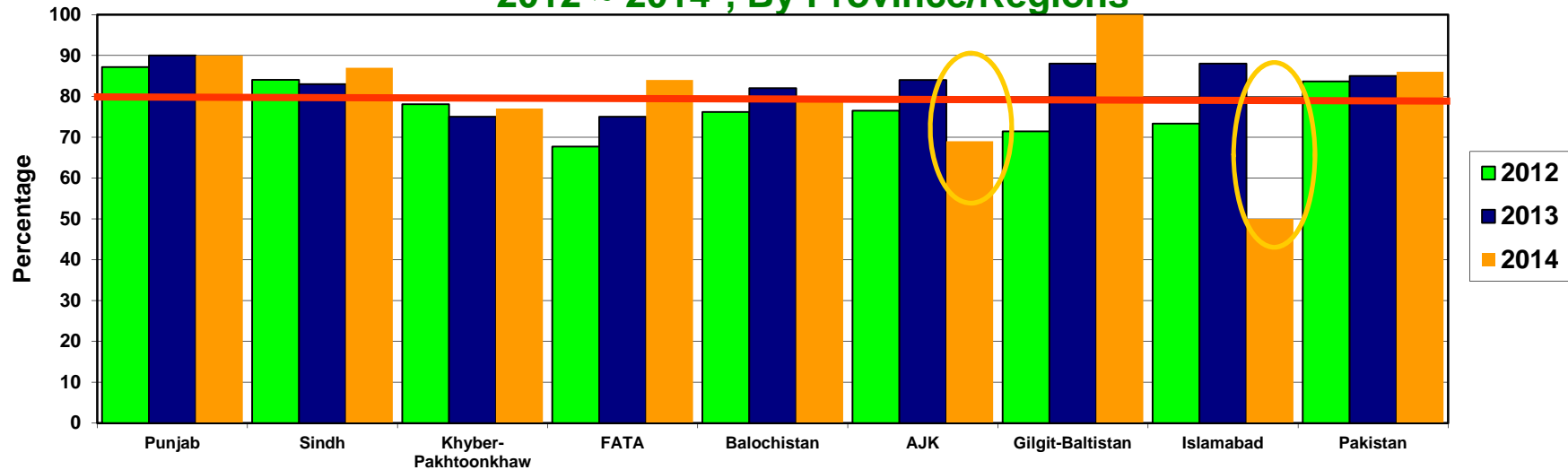
# Percent AFP Cases with Adequate Specimens By Province/Regions, 2012-2014\*



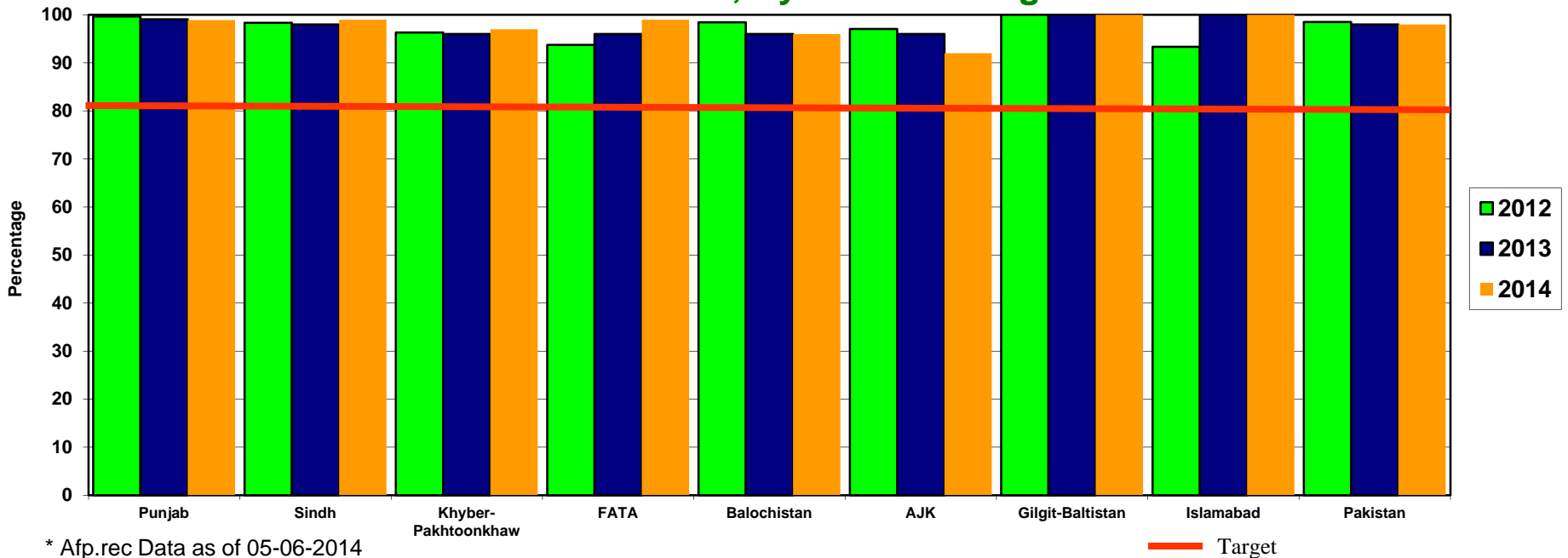
\* Afp.rec Data as of 05-06-2014

Target Adequate Sample cases = 80%

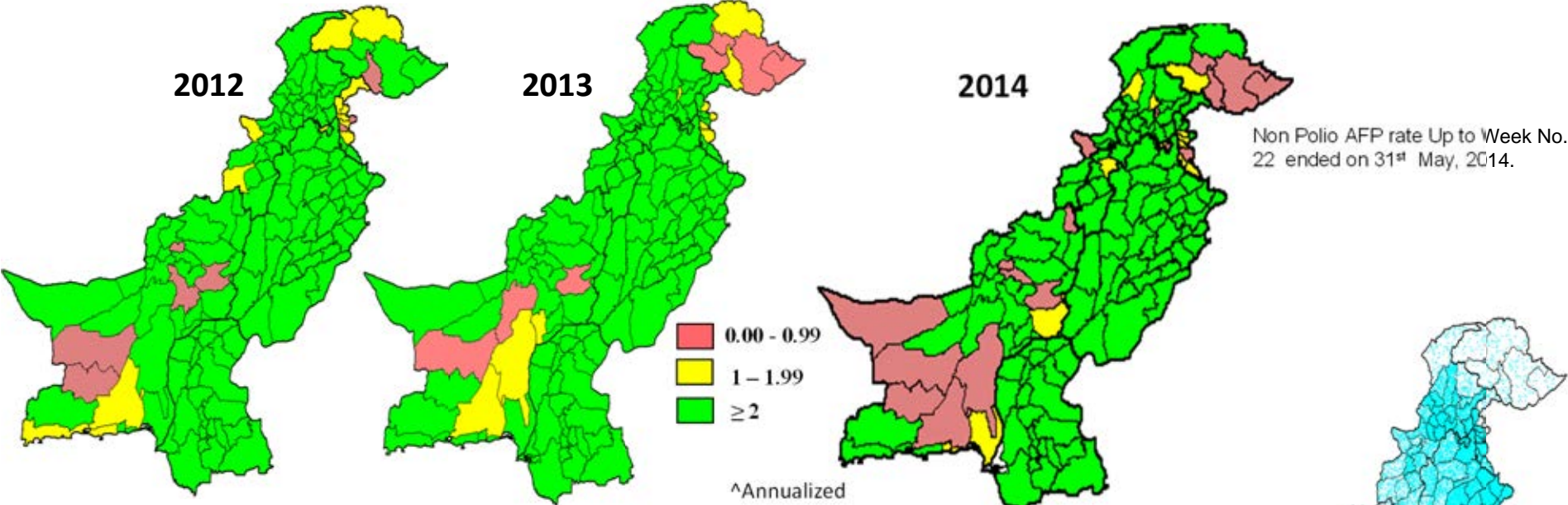
**Graph 5: Percent AFP Cases Notified within 07 days of paralysis onset  
2012 ~ 2014\*, By Province/Regions**



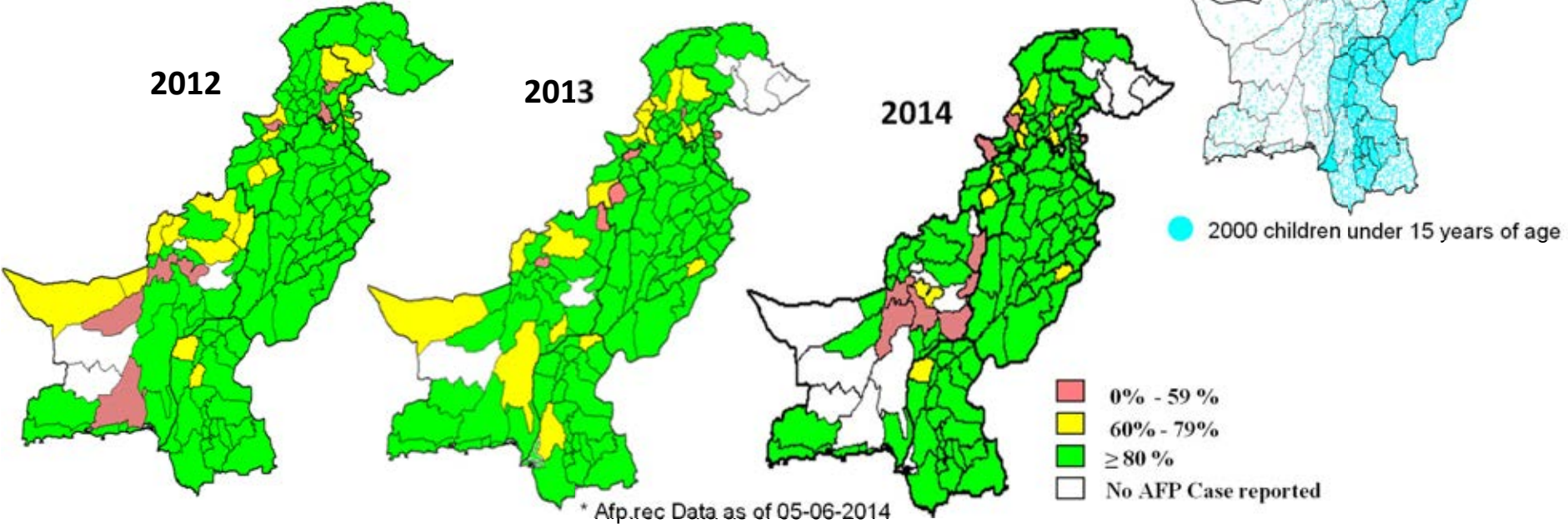
**Graph 6: Percent AFP Cases Investigated within 48 hours of notification  
2012 ~ 2014\*, By Province/Regions**



### 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	286
2	KHIGADAP	GADAP	SD/63/13/031	M	14	7/15/2013	7+	Late Notified			Y	Y	Y	Y	325
3	BAGH	BAGH	AJ/50/13/012	F	34	12/22/2013	7+	1/14/2014	1/17/2014	NVI	Y	Y	Y	Y	165
4	GHIZER	PUNIAL	GB/41/13/001	M	66	9/2/2013	7+	9/6/2013		EV	N	Y	Y	DIED	276

€ Based on recall of parents  
 \* Afp.rec Data as of 05-06-2014

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	DOSESE€	DSTOOL1	DSTOOL2	LAB	FEVER	ASYM	PROG	FUP	PEND (DAYS)
1	RAJANPUR	JAMPUR	PB/82/14/006	F	18	2/23/2014	7+	Late Notified			Y	N	Y	Y	102
2	RAWALPINDI	RAWALPINDI	PB/11/14/004	M	10	1/26/2014	7+	2/12/2014		NVI	Y	Y	Y	Y	130
3	TTSINGH	KAMALIA	PB/52/14/015	F	7	2/28/2014	3	3/24/2014	3/25/2014	VACC	N	Y	Y	Y	97
4	VEHARI	MAILSI	PB/63/14/024	F	81	2/25/2014	7+	Child Died Before Stool Collection			Y	Y	Y		100
5	KHAIRPUR	KHAIRPUR	SD/43/14/003	F	72	1/28/2014	7+	Child Died Before Stool Collection			Y	Y	Y	DIED	128
6	KHIGADAP	GADAP	SD/63/14/004	M	10	1/5/2014	0	3/5/2014	3/6/2014	EV	Y	Y	Y	Y	151
7	KHIGIQBAL	G-IQBAL	SD/65/14/006	M	17	3/1/2014	7+	4/7/2014	4/8/2014	NVI	Y	Y	Y	Y	96
8	KHIJAMSHEED	JAMSHEED	SD/66/14/001	F	121	1/14/2014	7+	1/27/2014	1/29/2014	NVI	Y	N	Y		142
9	KHIKORANGI	KORANGI	SD/68/14/001	M	23	1/5/2014	7+	Child Died Before Stool Collection			N	N	N	DIED	151
10	UMERKOT	SAMARO	SD/34/14/002	F	24	1/14/2014	7+	Child Died Before Stool Collection			Y	N	Y	DIED	142
11	BATAGRAM	BATAGRAM	KP/11/14/006	M	120	3/1/2014	7+	4/5/2014	4/6/2014	NVI	Y	Y	Y		96
12	CHARSADA	SHABQADAR	KP/31/14/005	M	10	1/26/2014	7+	2/8/2014	2/10/2014	EV	N	Y	Y		130
13	CHARSADA	CHARSADA	KP/31/14/013	F	25	1/26/2014	7+	3/21/2014	3/23/2014	EV	N	Y	Y		130
14	CHITRAL	CHITRAL	KP/21/14/001	M	48	1/22/2014	7+	1/31/2014			Y	N	Y		134
15	PESHAWAR	PESHAWAR	KP/30/14/034	M	36	3/1/2014	7+	4/15/2014	4/16/2014	NVI	N	Y	Y	Y	96
16	TANK	TANK	KP/63/14/002	M	18	2/5/2014	7+	3/6/2014	3/8/2014	EV	Y	N	UK		120
17	BARKHAN	BARKHAN	BN/23/14/001	M	36	1/19/2014	3	1/30/2014		NVI	Y	Y	UK	DIED	137
18	DBUGTI	DERA BUGTI	BN/35/14/001	M	33	1/20/2014	7+	2/22/2014	2/23/2014	NVI	Y	Y	Y		136
19	JAFARABAD	JHAT PAT	BN/43/14/005	F	14	2/5/2014	7+	2/19/2014	2/21/2014	NVI	Y	Y	Y	Y	120
20	KALAT	KALAT	BN/53/14/001	M	120	2/1/2014	7+	3/1/2014	3/4/2014	NVI	N	Y	Y	Y	124
21	SIBI	LEHRI	BN/31/14/004	F	35	2/28/2014	3	3/26/2014	3/27/2014	NVI	Y	Y	N		97
22	HAVELI	HAVELI	AJ/51/14/002	F	120	2/16/2014	3	4/17/2014	4/19/2014	NVI	Y	N	Y	Y	109
23	FR BANNU	FR BANNU	FT/69/14/011	M	8	2/3/2014	0	2/20/2014	2/21/2014	NVI	Y	Y	Y		122
24	FR BANNU	FR BANNU	FT/69/14/020	M	21	2/17/2014	0	Late Notified			Y	Y	Y	Y	108
25	WAZIR-N	MIRAN SHAH	FT/64/14/044	M	12	1/27/2014	0	3/2/2014	3/3/2014	VACC	Y	Y	Y		129
26	WAZIR-N	MIRAN SHAH	FT/64/14/052	M	8	3/1/2014	0	3/13/2014		NVI	Y	Y	Y		96

€ Based on recall of parents  
\* Afp.rec Data as of 05-06-2014

60 days Follow-up not done

FUP = Residual Weakness at 60 days follow up.