



**World Health  
Organization**

# **Weekly AFP Surveillance Update Pakistan**

**Week 24** (*Ended on 14<sup>th</sup> June, 2014*)

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Federal EPI***

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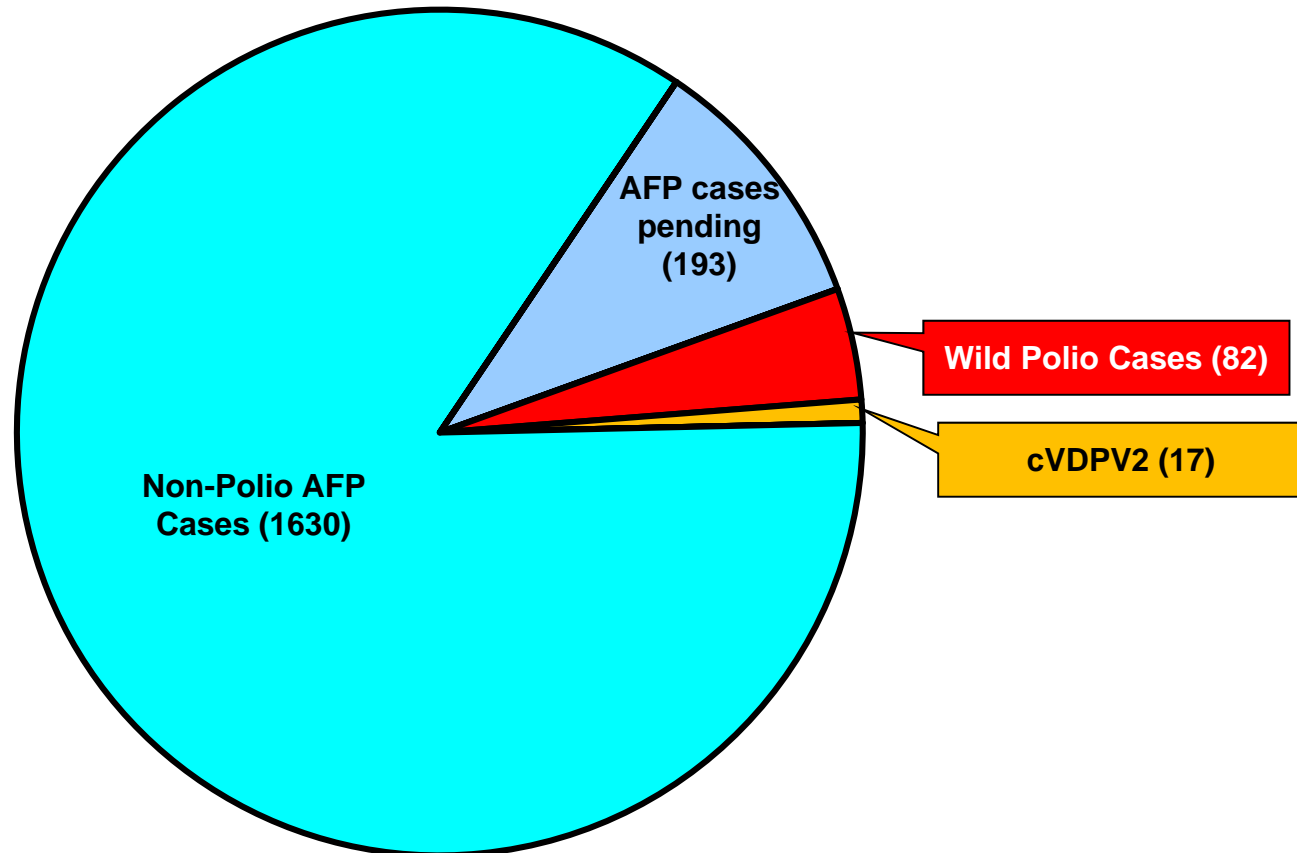
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AFP Surveillance



# AFP Case Profile, 2014\*



**Total AFP Cases Reported = 1922**

**^26 Inadequate cases pending classification by ERC;  
^63 Inadequate cases not due for FUP  
^104 Pending in the Lab**

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

## 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	
<b>Khyber Pakhtunkhwa</b>	4	12	3	2	19-May -14
<b>FATA / FR Areas</b>	11	64	3	4	04-June -14
<b>Sindh</b>	2	6	2	4	04-May-14
<b>Balochistan</b>	0	0	0	0	02-Oct-12
<b>Punjab</b>	2	0	2	0	12-Dec-13
<b>Pakistan</b>	<b>19</b>	<b>82</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 12-06-2014

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

S.NO.	PROVINCE/ REGION	DISTRICT	TEHSIL	EPID NO.	SEX	AGE (m)	DATE ONSET OF 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 12-06-2014

**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 12-06-2014

**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	Asymmetric Paralysis	Rapid Progression	REFUSAL	WPV TYPE	GENETICS
								Route	SIAs						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 12-06-2014

**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	WPV TYPE	GENETICS
								Route	SIAs						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	
71	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/084	F	22	07-May-14	0	0	Y	Y	Y	N	NSL1	
72	KPAKHTUNKHWA	BANNU	BANNU	KP/61/14/012	F	42	10-May-14	0	4	Y	Y	Y	N	NSL1	
73	FATA	WAZIR-N\$	MIR ALI	FT/64/14/092	M	10	15-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	
76	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/089	M	30	17-May-14	0	0	Y	Y	Y	N	NSL1	
77	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/091	M	8	17-May-14	0	0	Y	N	N	N	NSL1	
78	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/094	F	36	21-May-14	0	0	Y	N	N	N	NSL1	
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	

\$ Security compromised area

**New Case**

^Under investigation

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

**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	%
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	415	274	1	0	12	3	107	26%	17	410	99%
May	483	263	52	0	15	3	135	28%	15	428	89%
June	54	2	51	0	0	0	0	0%	1	3	6%
Pakistan	2094	1342	107	0	128	6	420	20%	82	1972	94%

\* Data as of 16-06-2014



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

Basic information										OPV doses				Urgent		Prov	Lab update			Remarks
S. #	District	Tehsil	Union council	Epid number	Date of Onset	Age (M)	Sex	Date of 1st stool	Stool Adeq	RI	S1As	Last 6 S1As	Last dose	By Field	By NSCY	Diagnosis	Lab No.	Days Incub	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	POLIO MYELITIS	2519	4	P2	Discordant ⓪
2	FR BANNU §	FR BANNU	JANI KHEL	FT/69/14/022	27-May-14	15	F	03-Jun-14	Y	0	1	1		N	-	POLIO MYELITIS	2518	4	P2	Discordant ⓪
3	FR LAKKI §	FR LAKKI	#	FT/70/14/002-C3		36	M	06-Jun-14	-	-	-	-	30-May-14	N	-		2572	7	SL1	Waiting rRT-PCR for VDPV screening
4	WAZIR-N *	MIRAN SHAH	DATTA KHEL	FT/64/14/101	28-May-14	5	M	04-Jun-14	Y	0	0	0		Y	Y	GES/POLIO MYELITIS	2583	5	L20B+	
5	THATTA §	JATI	KOTHI	SD/22/14/019	23-May-14	13	F	29-May-14	Y	3	6	6	25-Mar-14	N	-	MONOPLEGIA	2503	5	P2	Discordant ⓪
<b>Reported urgent (by field / NSCY criteria)</b>																				
6	FR LAKKI *	FR LAKKI	#	FT/70/14/002		#		06-Jun-14	#	#	#	#	30-May-14	N	-	*	#	8	UP	INDEX CASE
7	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	
8	WAZIR-N	MIRAN SHAH	DATTA KHEL	FT/64/14/099	28-May-14	15	F	02-Jun-14	Y	0	0	0		Y	Y	POLIO MYELITIS	2537	10	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	#	POLIO MYELITIS	2592	6	UP	
10	LAHORE	AZIZ BHATTI TOWN	44	PB/31/14/057	21-May-14	3	M	07-Jun-14	N	1	0	0	29-Apr-14	Y	N	POLIO	2582	6	UP	

\* New addition

§ New results

# Data not available

¥ NSCY Criteria = Fever, Rapid Progress, Age < 48 months and OPV Doses < 7

UP = Under process

Urgent (Field/NSCY) / Inadequate specimens / Age 12-35 months / Zero OPV dose

⓪ Pending for genomic sequencing



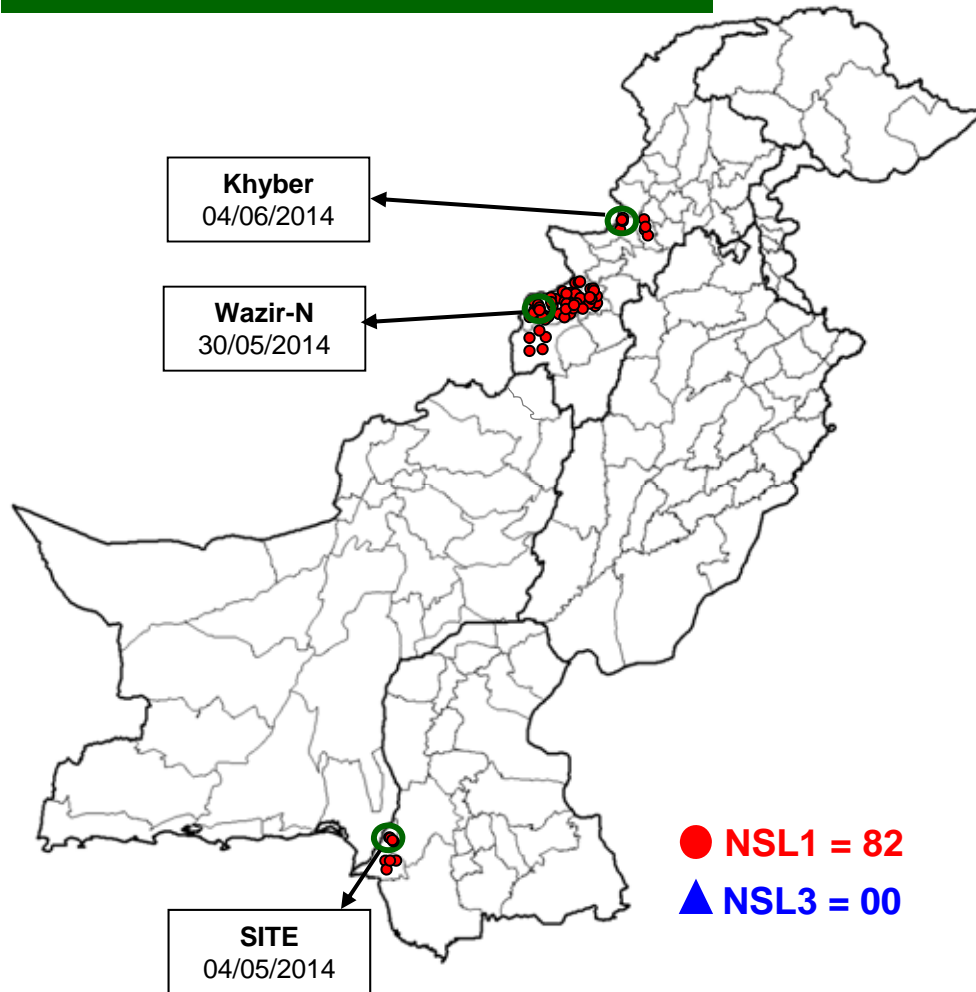
## Comparison environmental sampling results 2013-14

DISTRICT	2012			2013			Last
	TOTAL	WILD		TOTAL	WILD		
	n	n	%	n	n	%	
LAHORE	29	0	0%	25	7	28%	12-May-14
MULTAN	16	0	0%	14	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%	10	9	90%	20-May-14
KHIGADAP	15	4	27%	14	9	64%	15-May-14
KHIBALDIA	11	0	0%	10	6	60%	08-May-14
SUKKUR	11	0	0%	10	1	10%	06-May-14
HYDERABAD	6	5	83%	5	2	40%	06-May-14
PESHAWAR	11	9	82%	15	8	53%	10-Apr-14
QUETTA	15	1	7%	14	3	21%	21-May-14
ISLAMABAD	-	-	-	3	0	0%	-
<b>PAKISTAN</b>	<b>147</b>	<b>21</b>	<b>14%</b>	<b>142</b>	<b>47</b>	<b>33%</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	64	-
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>82</b>	<b>-</b>

● NSL1 = 82  
▲ NSL3 = 00

○ District with last polio case in province

Cases randomly placed in districts

— Provincial Boundary  
— Districts Boundary

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



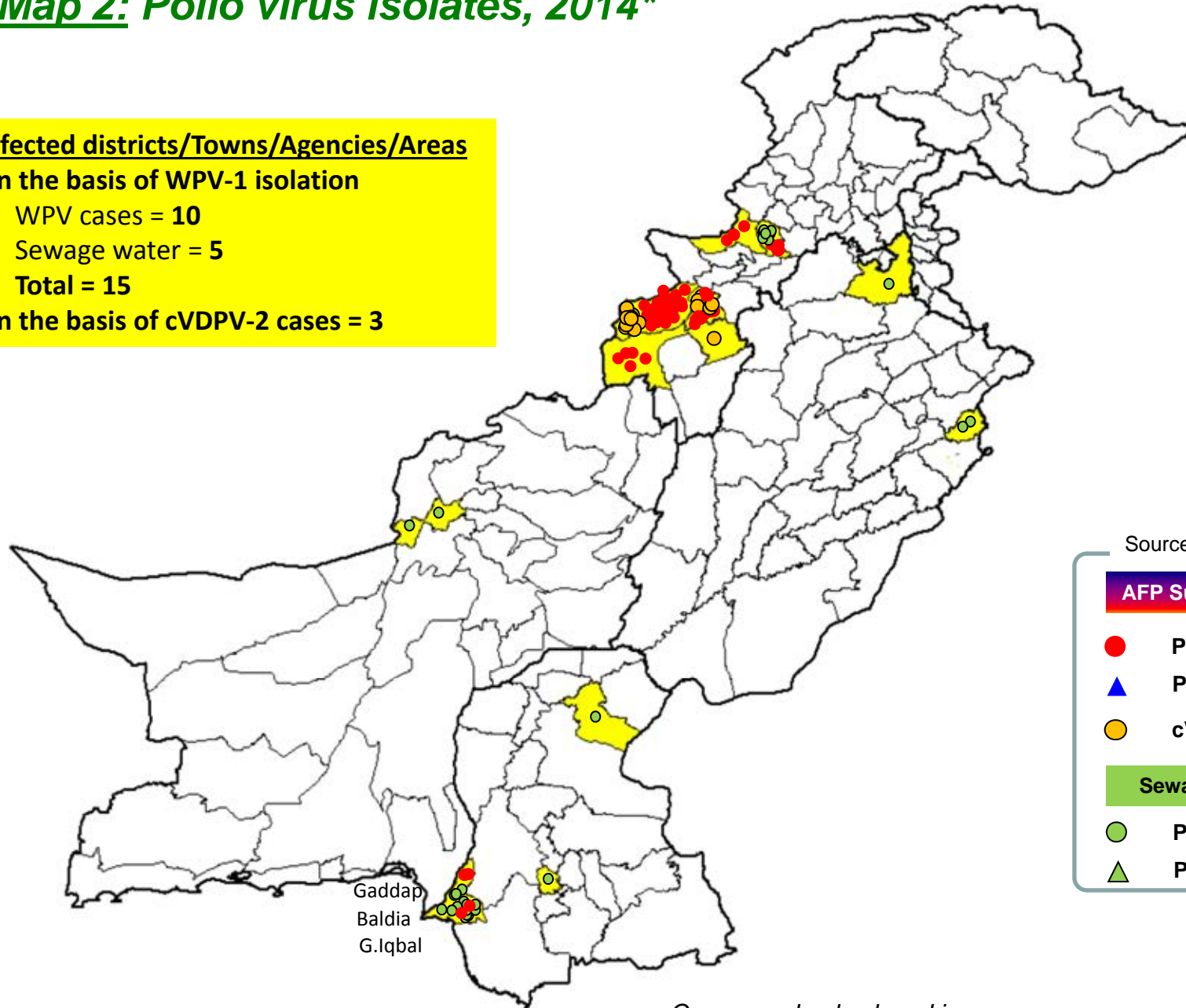
## Map 2: Polio virus isolates, 2014\*

### 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 = 3



Source

#### AFP Surveillance

- P1 = 82
- ▲ P3 = 0
- cVDPV-2 = 17

#### Sewage water

- P1 = 47
- ▲ P3 = 0

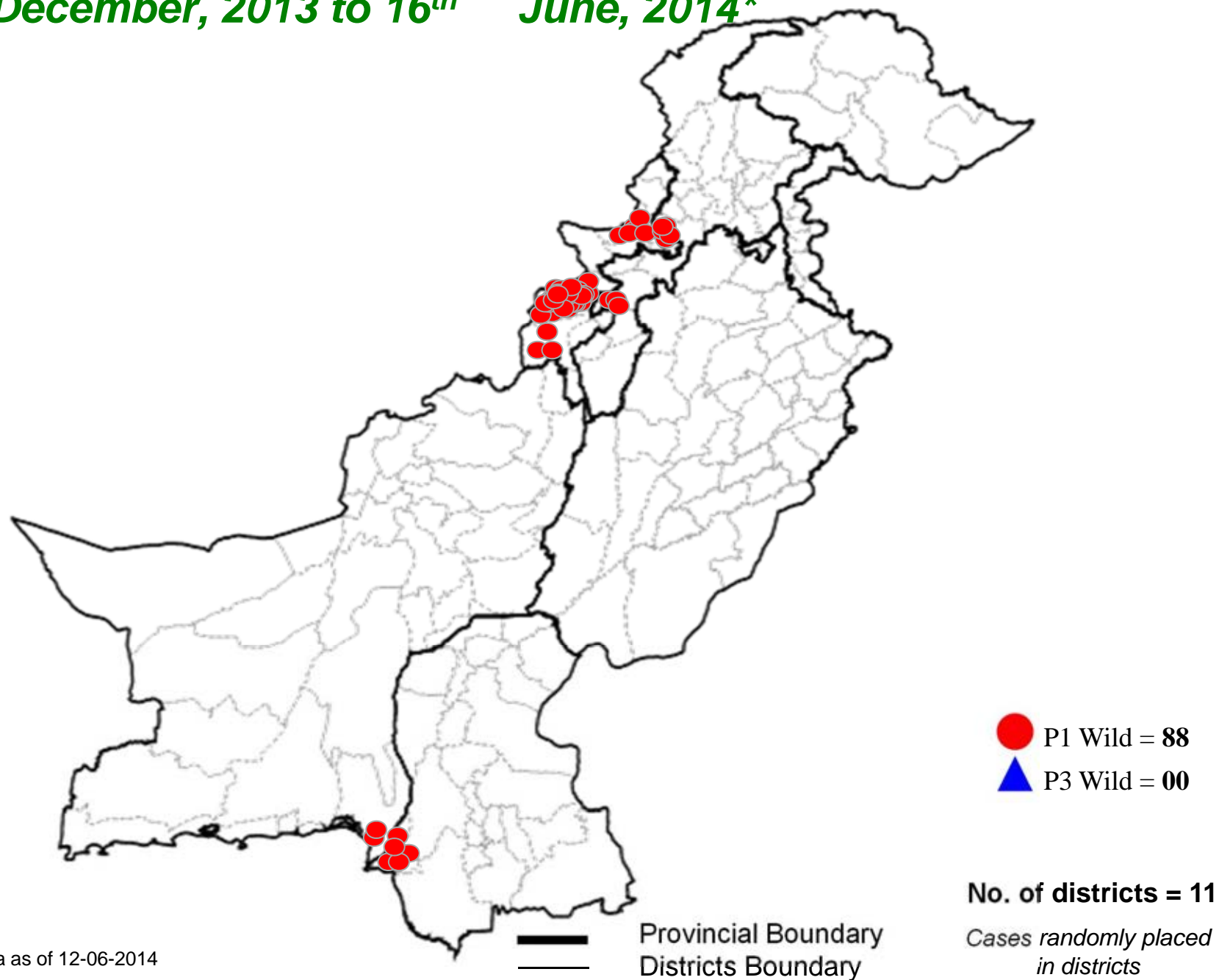
Gaddap  
Baldia  
G.Iqbal

*Cases randomly placed in districts*

— Provincial Boundary  
— Districts Boundary

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

**Map 3: Wild Polio cases in the last 6 months from**  
**17<sup>th</sup> December, 2013 to 16<sup>th</sup> June, 2014\***



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

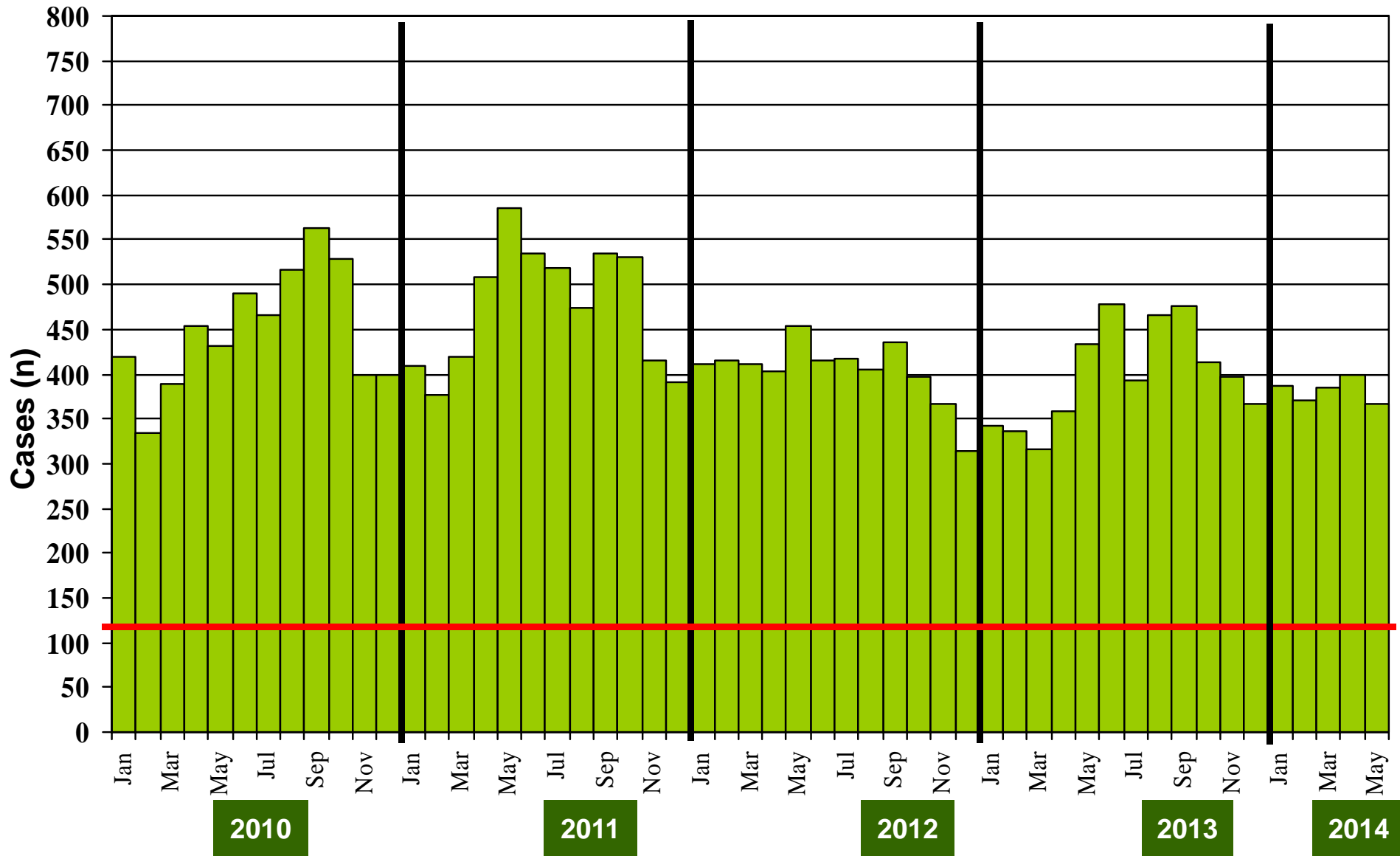
**Table 4: Distribution of AFP Cases By Week of Onset ^  
Pakistan 2013-14\* [Week number/Ending on]**

PROVINCE	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	W 23 07 June 2014
PUNJAB	42	34	48	39	32	51	40	36	32	60	55	54	64	57	54
SINDH	23	17	20	23	19	26	27	25	24	21	19	22	17	29	14
KP	12	23	18	17	20	20	16	15	15	22	22	23	16	14	22
FATA	11	7	6	7	5	7	7	7	7	5	8	8	8	10	6
BALUCHISTAN	5	5	1	3	1	2	4	1	1	1	6	5	6	2	6
AJK	1	2	1	1	0	0	0	0	0	0	0	0	0	1	2
GILGIT BILTISTAN	0	2	0	0	0	0	0	0	0	2	0	0	0	0	1
ISLAMABAD	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
<b>PAKISTAN</b>	<b>94</b>	<b>90</b>	<b>94</b>	<b>90</b>	<b>77</b>	<b>106</b>	<b>94</b>	<b>84</b>	<b>79</b>	<b>111</b>	<b>111</b>	<b>112</b>	<b>111</b>	<b>113</b>	<b>106</b>

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

^ MMWR Epidemiological Weeks

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

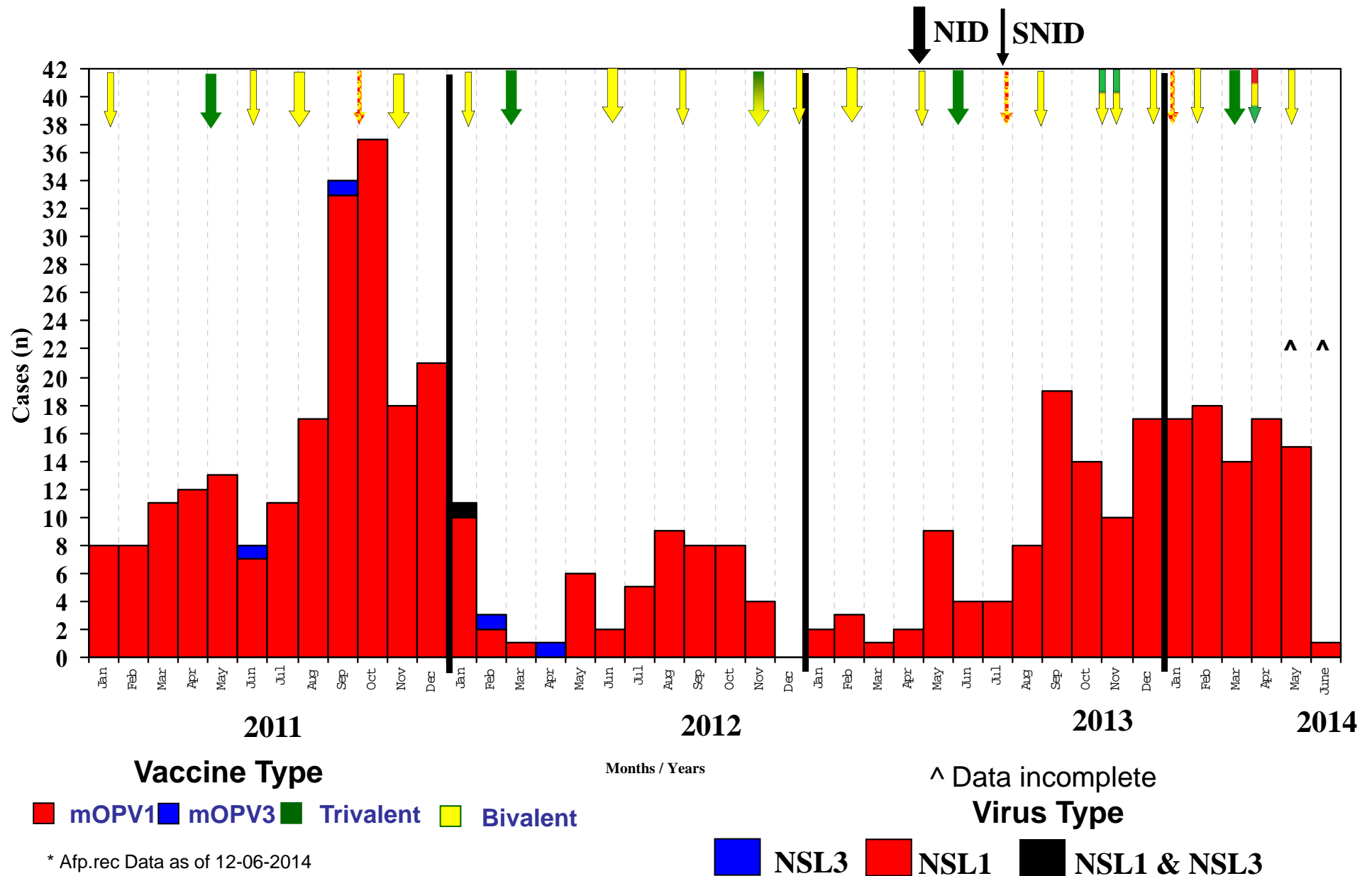


**@ Non-polio AFP rate of 2/100,000 children < 15 years**

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



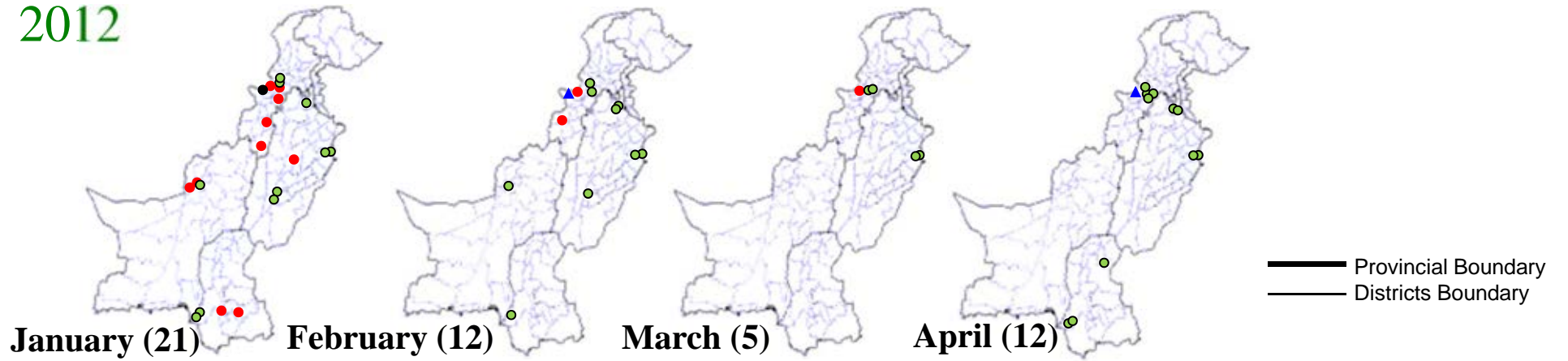
# Confirmed Polio Cases By Poliovirus Type, 2011-2014\*



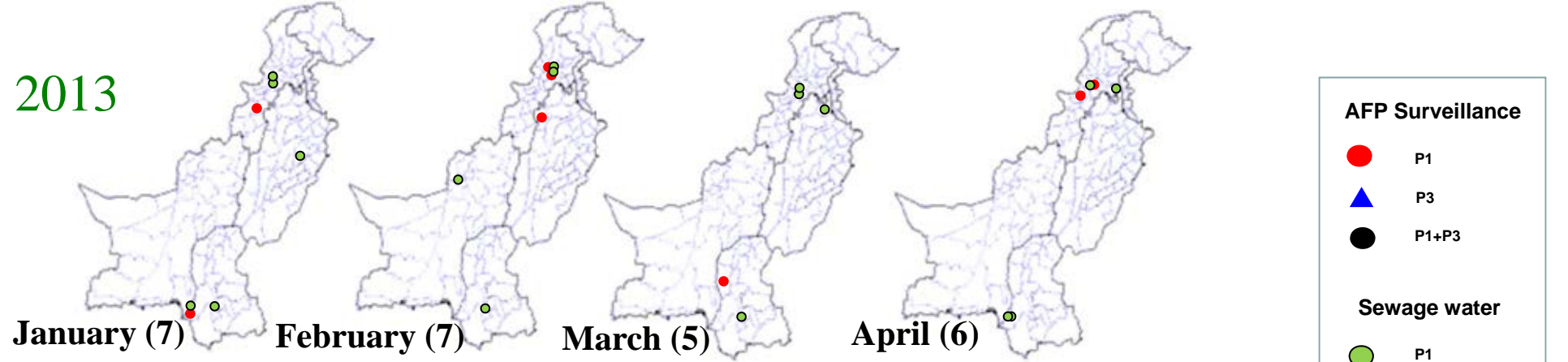
\* Afp.rec Data as of 12-06-2014

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

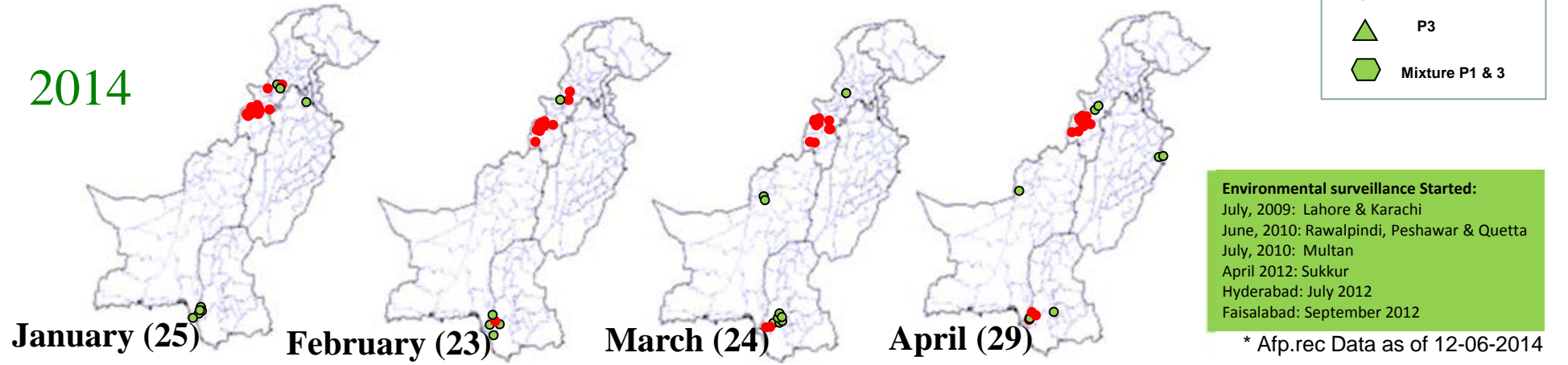
2012



2013



2014



**AFP Surveillance**

- P1
- ▲ P3
- P1+P3

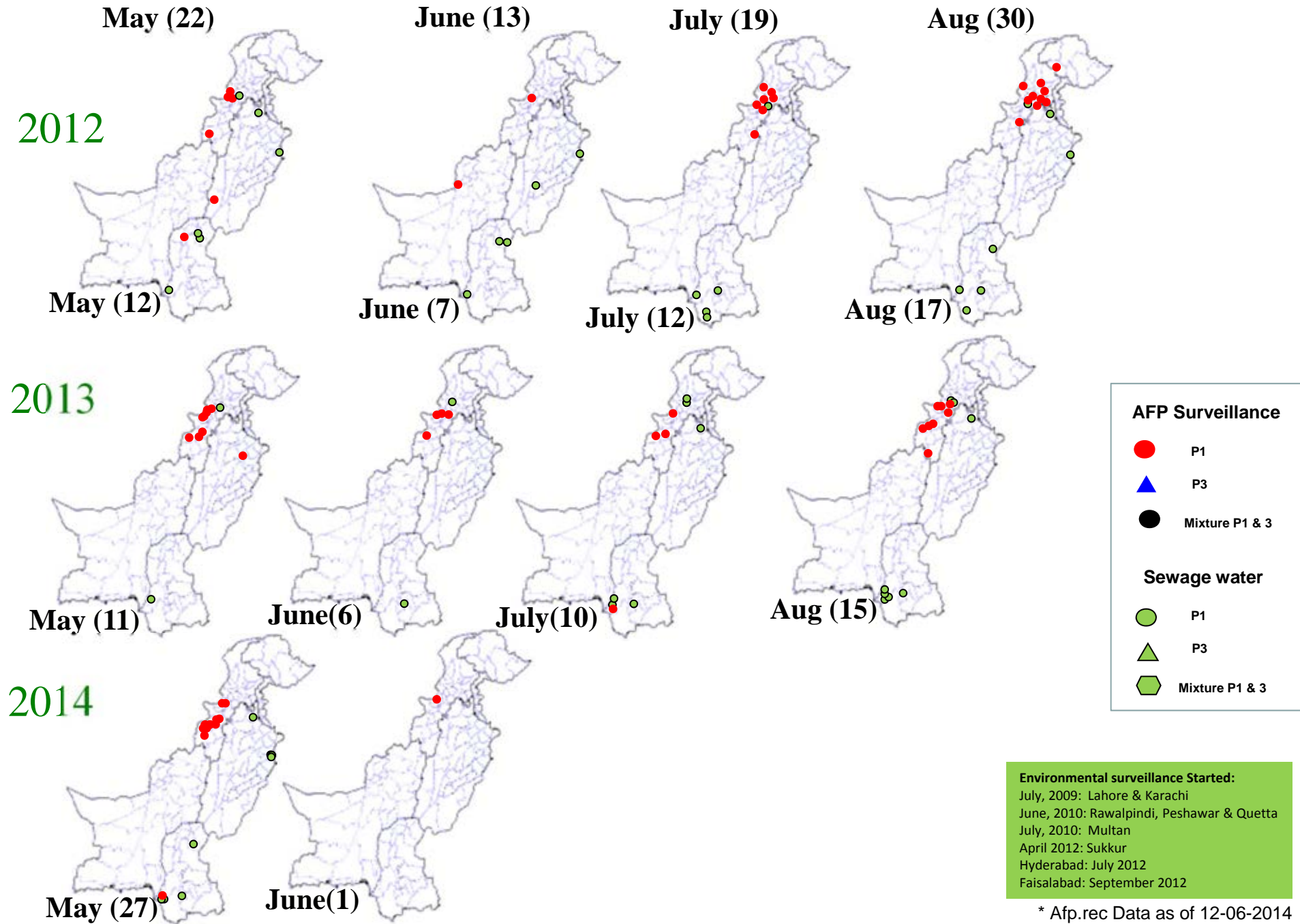
**Sewage water**

- 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 12-06-2014

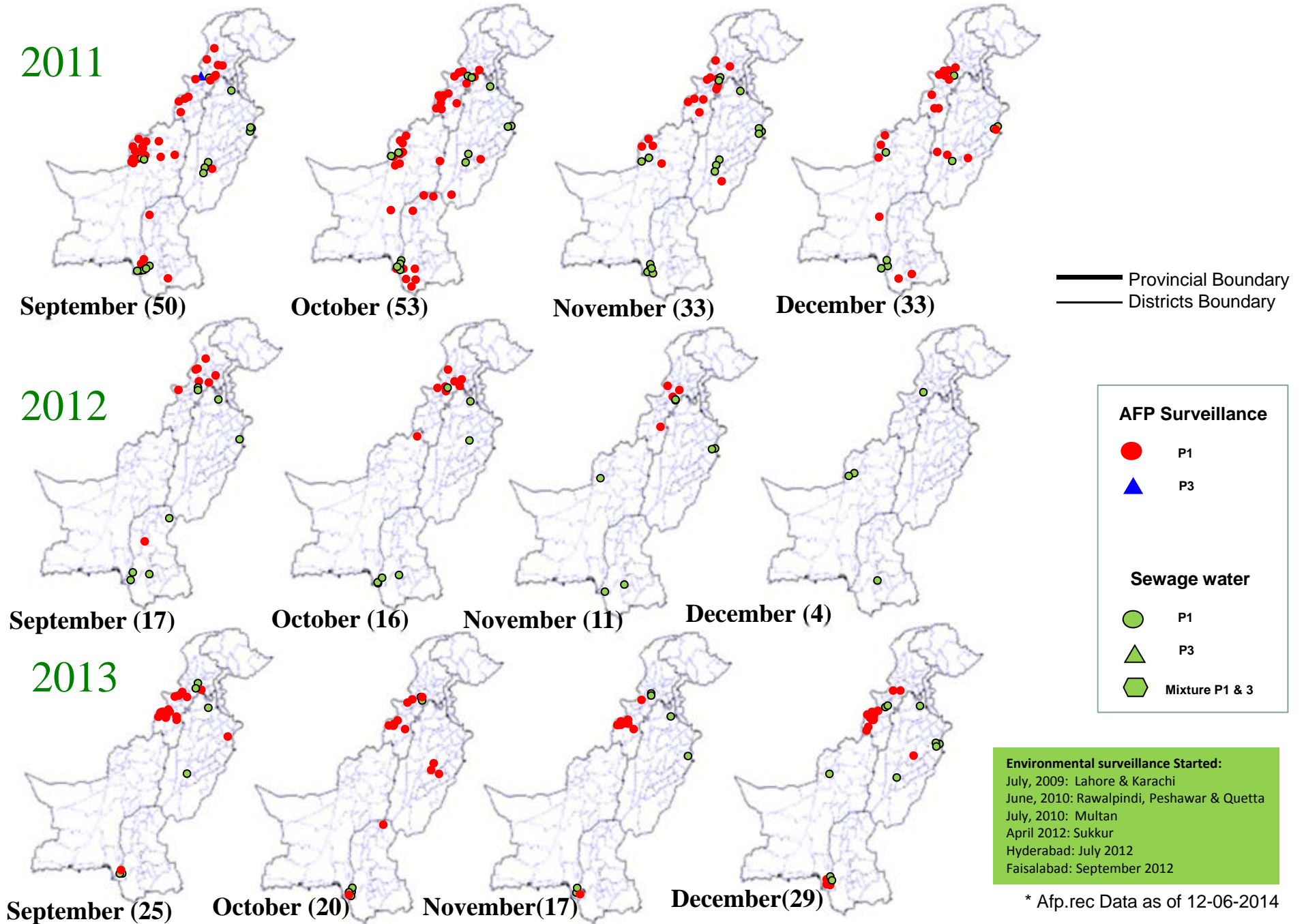
# Map 4.1: Monthly Comparison of P1 & P3 Polio Cases/Isolates 2011-2013\*



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



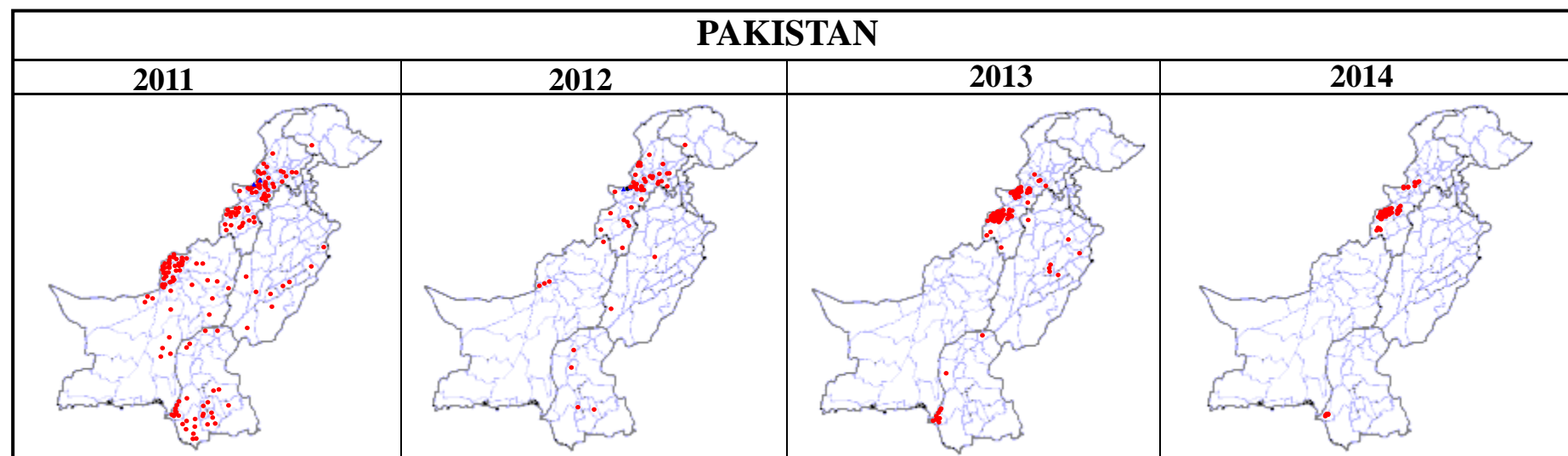
# Map 4.2: Monthly Comparison of P1 & P3 Polio Cases/Isolates 2011-2013\*



## 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	64	2	2	-	-	59	20^	65	64
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>82</b>	<b>2</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>198</b>	<b>58</b>	<b>93</b>	<b>82</b>

^ FATA reported mixture of NSL1 & NSL3



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

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

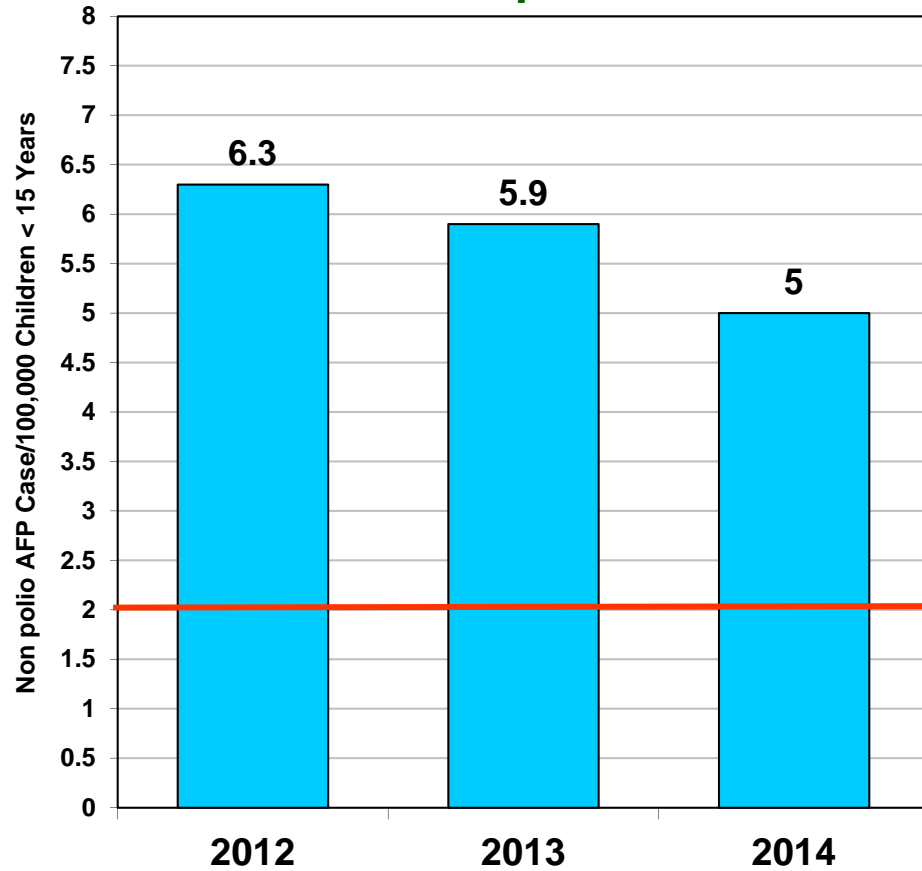
REGION	0 dose				1-2 doses				3 doses				4-6 doses				7+ doses			
	11	12	13	14	11	12	13	14	11	12	13	14	11	12	13	14	11	12	13	14
Central Punjab	0%	0%	0%	0%	1%	0%	0%	0%	2%	0%	1%	2%	6%	4%	7%	3%	92%	95%	91%	94%
North Punjab	0%	0%	0%	0%	1%	0%	0%	1%	1%	0%	0%	1%	5%	4%	4%	5%	93%	96%	96%	93%
South Punjab	0%	0%	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%	6%	94%	94%	95%	94%
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%	4%	95%	95%	95%	94%
North Khyber Pakhtunkhwa	1%	2%	1%	2%	2%	2%	1%	1%	1%	2%	1%	1%	7%	9%	7%	7%	90%	85%	91%	88%
South Khyber Pakhtunkhwa	2%	2%	1%	0%	4%	1%	0%	0%	4%	1%	1%	0%	7%	9%	4%	3%	83%	87%	95%	98%
<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>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>58%</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%	5%	23%	3%	3%	14%	12%	17%	28%	9%	50%	57%	49%	73%
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%	7%	5%	5%	5%	0%	10%	10%	25%	14%	76%	70%	60%	79%
<b>BALUCHISTAN</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>83%</b>
<b>PAKISTAN</b>	<b>2%</b>	<b>1%</b>	<b>3%</b>	<b>0%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>	<b>4%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>	<b>6%</b>	<b>6%</b>	<b>5%</b>	<b>6%</b>	<b>8%</b>	<b>89%</b>	<b>92%</b>	<b>89%</b>	<b>83%</b>

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

# Key Surveillance Indicators; 2012-2014\*

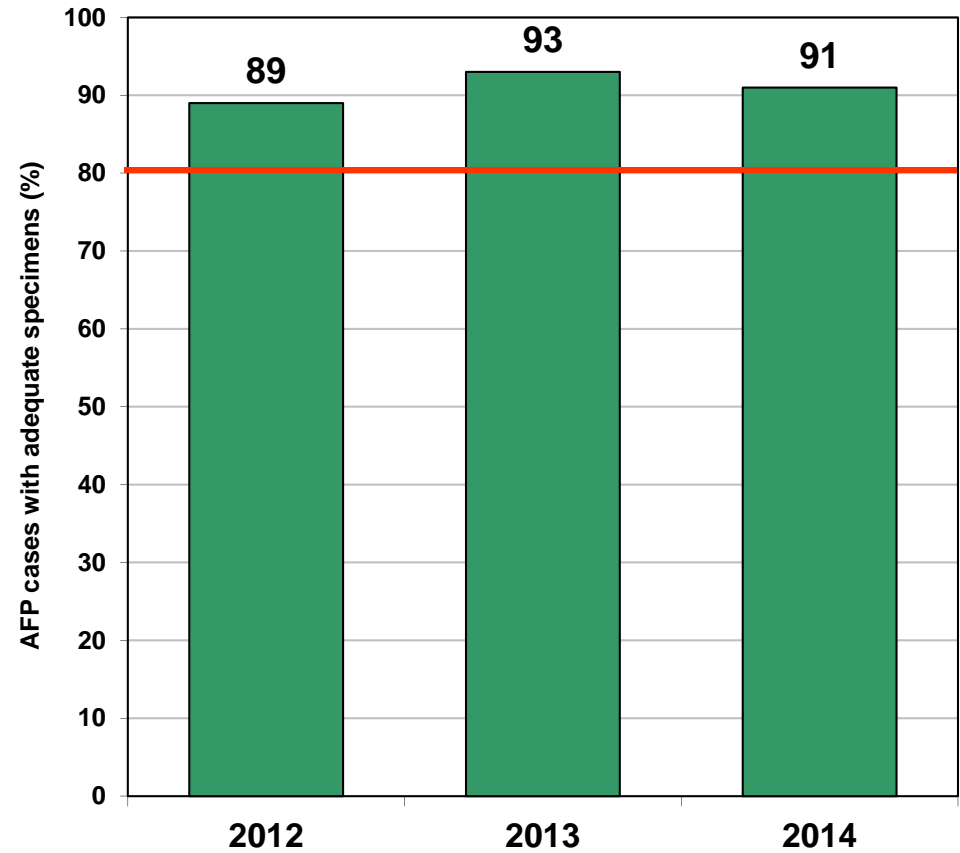
(Non polio AFP rate and % AFP cases with adequate specimens)

### Graph 3



■ Non Polio AFP Rate

### Graph 4



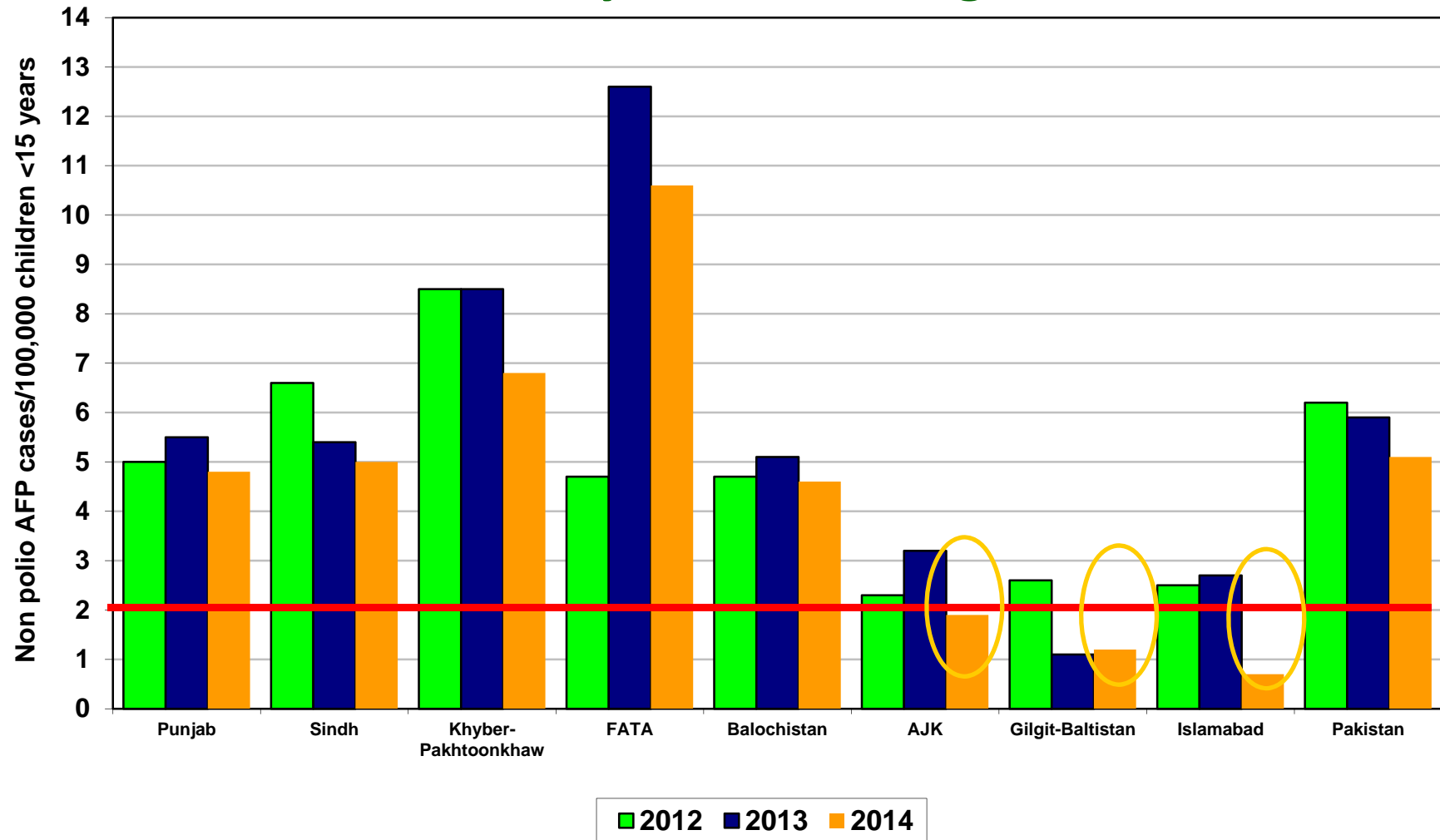
■ % AFP with Adequate Specimens

— Target

Non Polio AFP rate Up to Week No. 23 ended on 07<sup>th</sup> June, 2014

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

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



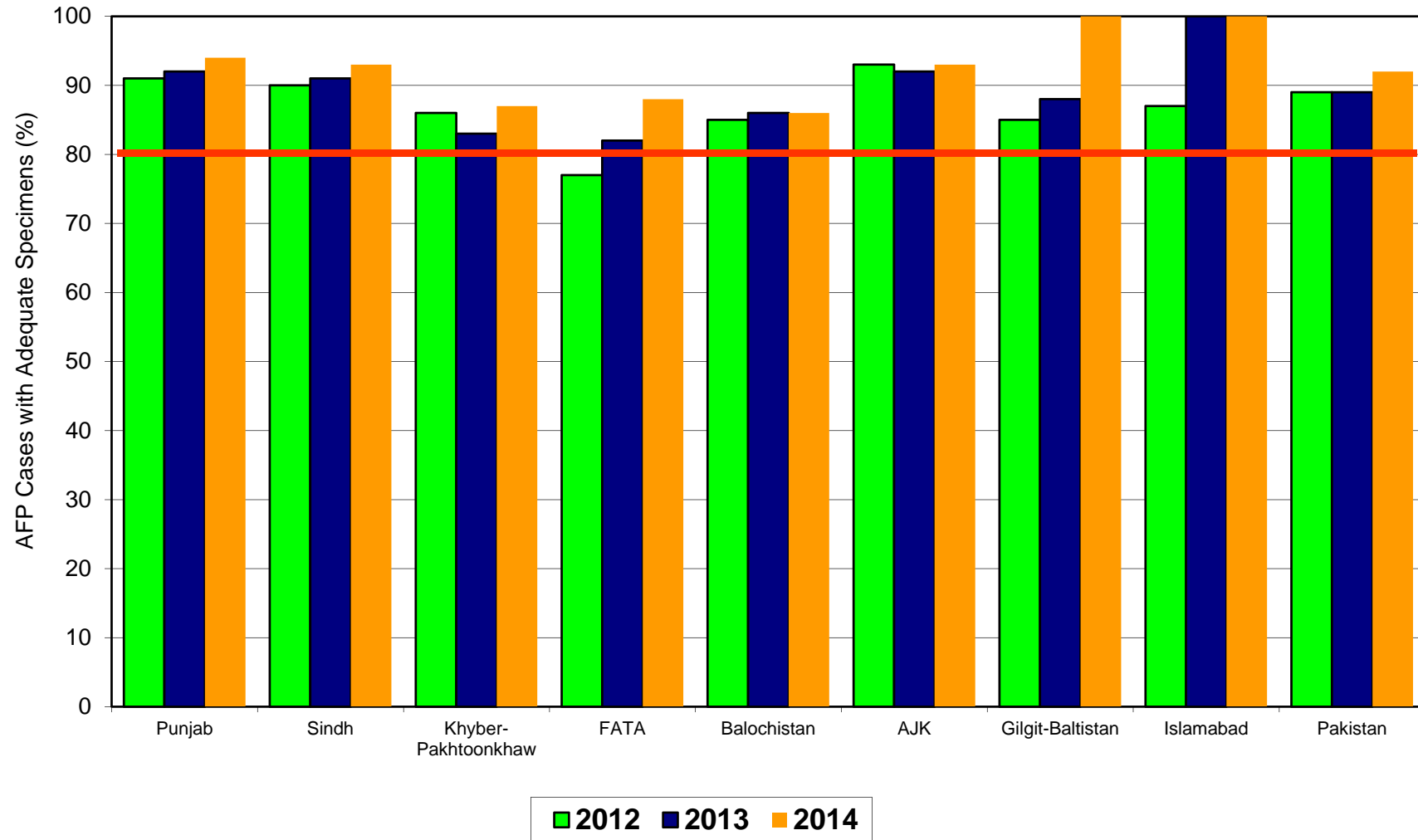
Non Polio AFP rate Up to Week No. 23 ended on 07<sup>th</sup> June, 2014

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

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



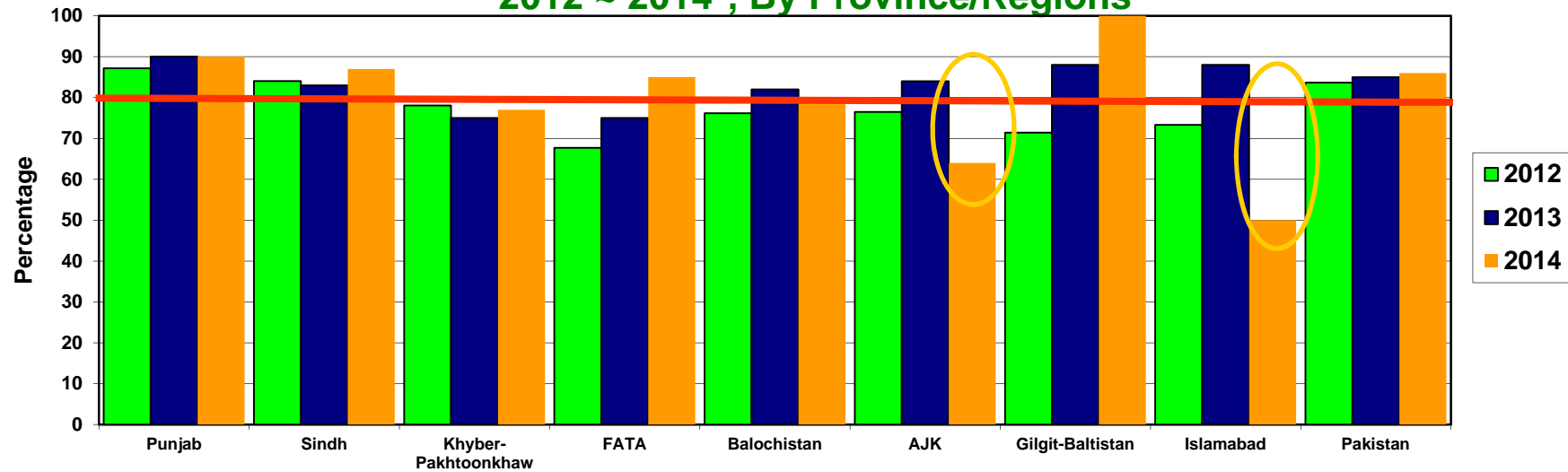
# Percent AFP Cases with Adequate Specimens By Province/Regions, 2012-2014\*



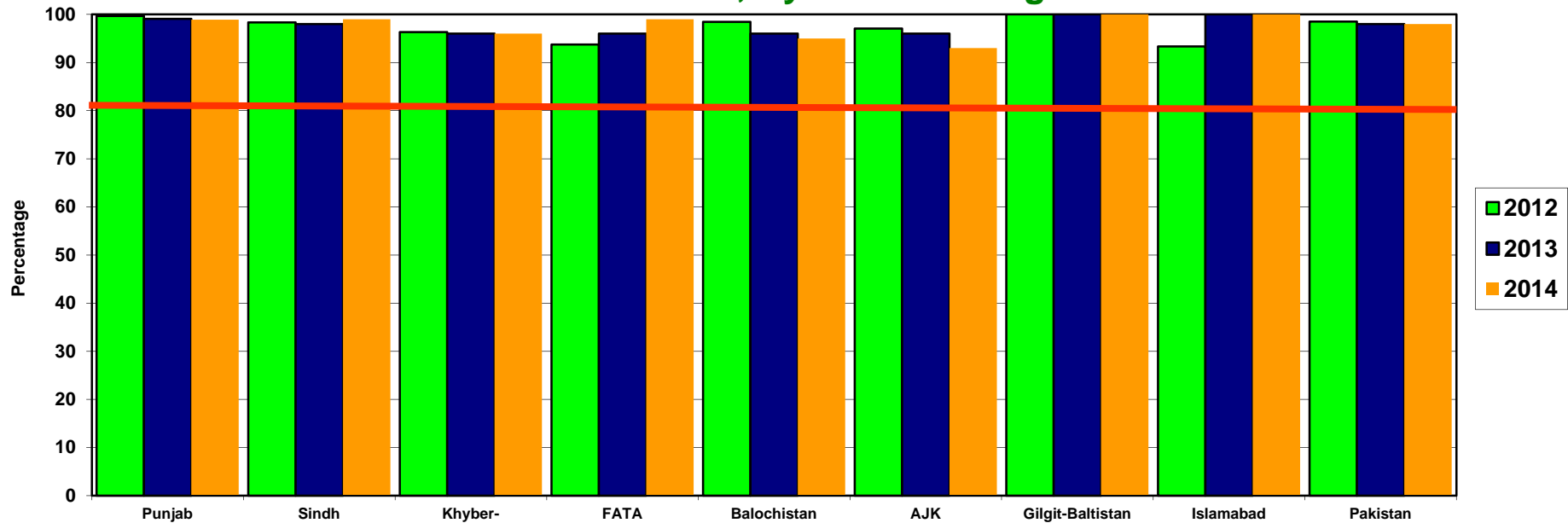
\* Afp.rec Data as of 12-06-2014

Target Adequate Sample cases = 80%

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



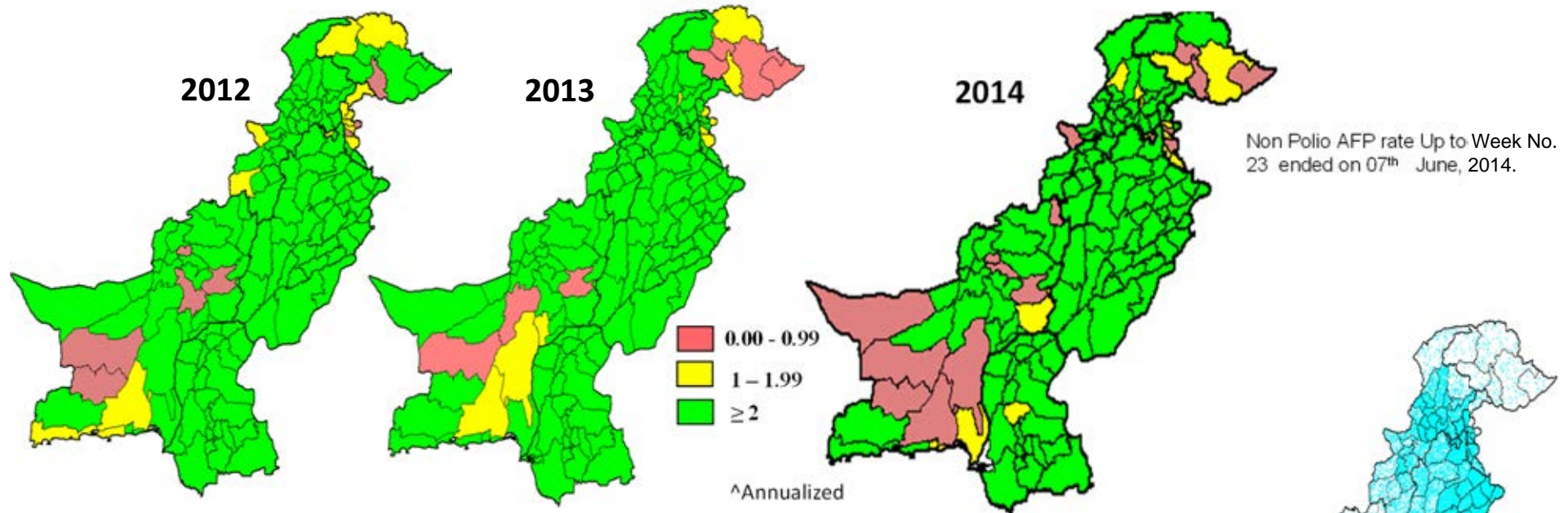
**Graph 6: Percent AFP Cases Investigated within 48 hours of notification  
2012 ~ 2014\*, By Province/Regions**



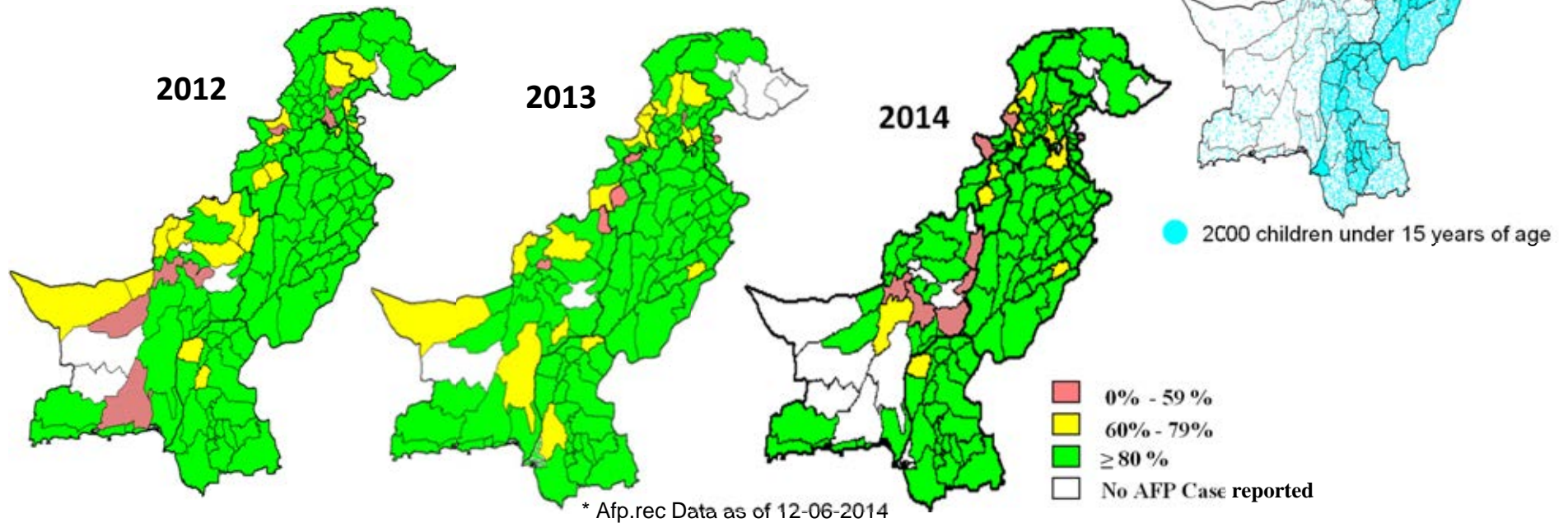
\* Afp.rec Data as of 12-06-2014

— 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	293
2	KHIGADAP	GADAP	SD/63/13/031	M	14	7/15/2013	7+	Late Notified			Y	Y	Y	Y	332
3	BAGH	BAGH	AJ/50/13/012	F	34	12/22/2013	7+	1/14/2014	1/17/2014	NVI	Y	Y	Y	Y	172
4	GHIZER	PUNIAL	GB/41/13/001	M	66	9/2/2013	7+	9/6/2013		EV	N	Y	Y	DIED	283

€ Based on recall of parents  
 \* Afp.rec Data as of 12-06-2014

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	ASVM	PROG	FUP	PEND (DAYS)
1	GUJRANWALA	KAMOKE	PB/21/14/032	M	22	3/8/2014	7+	4/30/2014	5/1/2014	NVI	Y	Y	Y		96
2	MUZFARGARH	JATOI	PB/83/14/015	M	3	3/11/2014	3	3/25/2014	3/26/2014	VACC	Y	Y	Y		93
3	MUZFARGARH	JATOI	PB/83/14/023	M	7	3/12/2014	7+	4/25/2014	4/26/2014	NVI	Y	Y	UK		92
4	RAJANPUR	JAMPUR	PB/82/14/006	F	18	2/23/2014	7+	Late Notified			Y	N	Y	Y	109
5	RAJANPUR	ROJHAN	PB/82/14/021	M	24	3/12/2014	7+	4/4/2014	4/5/2014	EV	Y	Y	Y	Y	92
6	RAWALPINDI	RAWALPINDI	PB/11/14/004	M	10	1/26/2014	7+	2/12/2014		NVI	Y	Y	Y	Y	137
7	VEHARI	MAILSI	PB/63/14/024	F	81	2/25/2014	7+	Child Died Before Stool Collection			Y	Y	Y		107
8	KHAIRPUR	KHAIRPUR	SD/43/14/003	F	72	1/28/2014	7+	Child Died Before Stool Collection			Y	Y	Y	DIED	135
9	KHIGADAP	GADAP	SD/63/14/004	M	10	1/5/2014	0	3/5/2014	3/6/2014	EV	Y	Y	Y	Y	158
10	KHIGIQBAL	G-IQBAL	SD/65/14/006	M	17	3/1/2014	7+	4/7/2014	4/8/2014	NVI	Y	Y	Y	Y	103
11	KHIJAMSHEED	JAMSHEED	SD/66/14/001	F	121	1/14/2014	7+	1/27/2014	1/29/2014	NVI	Y	N	Y		149
12	KHIKORANGI	KORANGI	SD/68/14/001	M	23	1/5/2014	7+	Child Died Before Stool Collection			N	N	N	DIED	158
13	UMERKOT	SAMARO	SD/34/14/002	F	24	1/14/2014	7+	Child Died Before Stool Collection			Y	N	Y	DIED	149
14	BATAGRAM	BATAGRAM	KP/11/14/006	M	120	3/1/2014	7+	4/5/2014	4/6/2014	NVI	Y	Y	Y		103
15	CHARSADA	SHABQADAR	KP/31/14/005	M	10	1/26/2014	7+	2/8/2014	2/10/2014	EV	N	Y	Y		137
16	CHARSADA	CHARSADA	KP/31/14/013	F	25	1/26/2014	7+	3/21/2014	3/23/2014	EV	N	Y	Y		137
17	CHITRAL	CHITRAL	KP/21/14/001	M	48	1/22/2014	7+	1/31/2014			Y	N	Y		141
18	PESHAWAR	PESHAWAR	KP/30/14/027	F	18	3/12/2014	7+	4/1/2014	4/2/2014	VACC	Y	Y	Y	Y	92
19	PESHAWAR	PESHAWAR	KP/30/14/034	M	36	3/1/2014	7+	4/15/2014	4/16/2014	NVI	N	Y	Y	Y	103
20	TANK	TANK	KP/63/14/002	M	18	2/5/2014	7+	3/6/2014	3/8/2014	EV	Y	N	UK		127
21	BARKHAN	BARKHAN	BN/23/14/001	M	36	1/19/2014	3	1/30/2014		NVI	Y	Y	UK	DIED	144
22	DBUGTI	DERA BUGTI	BN/35/14/001	M	33	1/20/2014	7+	2/22/2014	2/23/2014	NVI	Y	Y	Y		143
23	JAFARABAD	JHAT PAT	BN/43/14/005	F	14	2/5/2014	7+	2/19/2014	2/21/2014	NVI	Y	Y	Y	Y	127
24	KALAT	KALAT	BN/53/14/001	M	120	2/1/2014	7+	3/1/2014	3/4/2014	NVI	N	Y	Y	Y	131
25	SIBI	LEHRI	BN/31/14/004	F	35	2/28/2014	3	3/26/2014	3/27/2014	NVI	Y	Y	N		104
26	HAVELI	HAVELI	AJ/51/14/002	F	120	2/16/2014	3	4/17/2014	4/19/2014	NVI	Y	N	Y	Y	116
27	FR BANNU	FR BANNU	FT/69/14/011	M	8	2/3/2014	0	2/20/2014	2/21/2014	NVI	Y	Y	Y		129
28	FR BANNU	FR BANNU	FT/69/14/020	M	21	2/17/2014	0	Late Notified			Y	Y	Y	Y	115
29	WAZIR-N	MIRAN SHAH	FT/64/14/044	M	12	1/27/2014	0	3/2/2014	3/3/2014	VACC	Y	Y	Y		136
30	WAZIR-N	MIRAN SHAH	FT/64/14/052	M	8	3/1/2014	0	3/13/2014		NVI	Y	Y	Y		103

€ Based on recall of parents

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

60 days Follow-up not done

FUP = Residual Weakness at 60 days follow up.