



**World Health  
Organization**

**Weekly  
AFP Surveillance Update  
Pakistan**

**Week 22** (*Ended on 31<sup>st</sup> May, 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

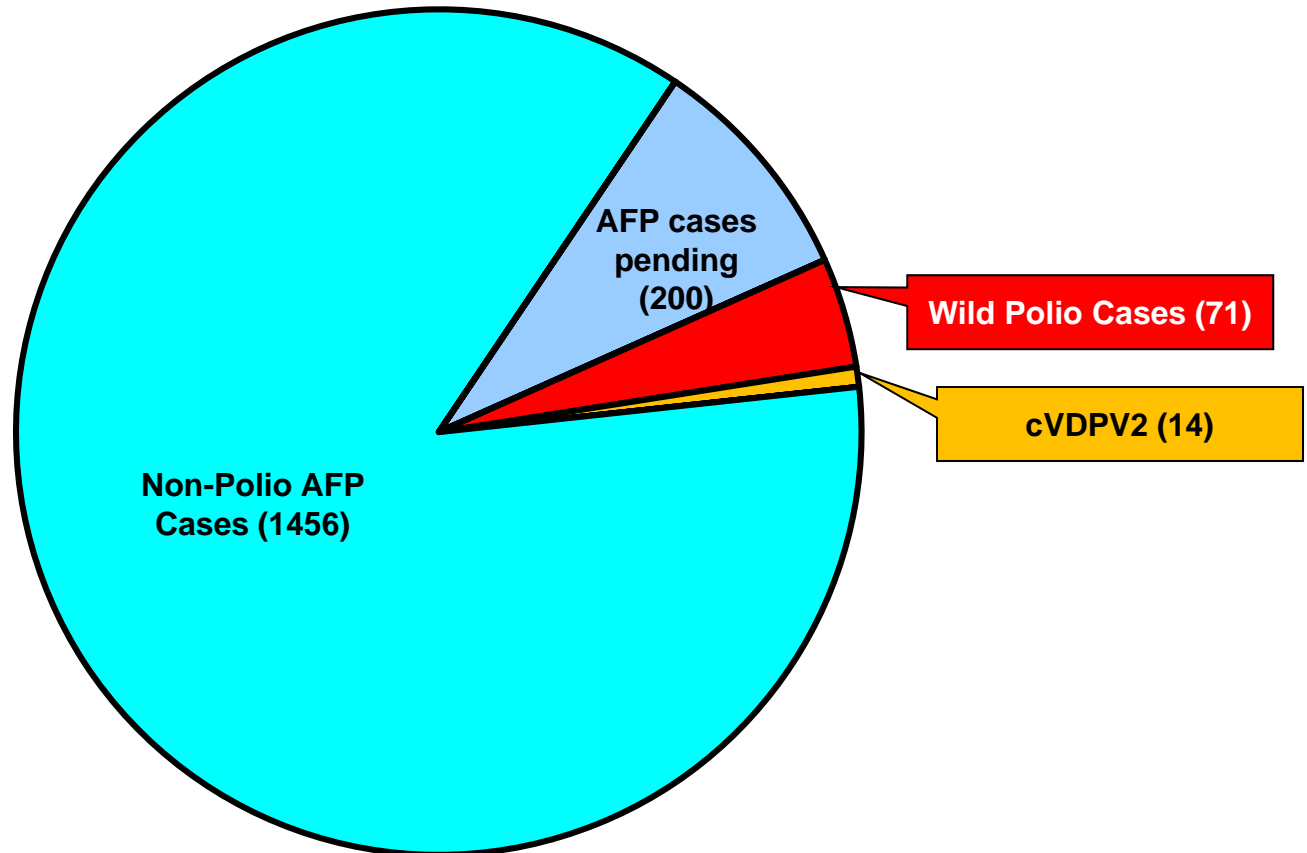
Email: [epidata@pak.emro.who.int](mailto:epidata@pak.emro.who.int)

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

AFP Surveillance



# AFP Case Profile, 2014\*



**Total AFP Cases Reported = 1741**

**^17 Inadequate cases pending classification by ERC;  
^69 Inadequate cases not due for FUP  
^114 Pending in the Lab**

\* Afp.rec Data as of 29-05-2014

## 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	10	3	2	10-May -14
FATA / FR Areas	9	55	3	4	15-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>17</b>	<b>71</b>	<b>10</b>	<b>10</b>	<b>15-May-14</b>

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

\* Afp.rec Data as of 29-05-2014

**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 29-05-2014

**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 29-05-2014

**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	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 29-05-2014

**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	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	

\$ Security compromised area

**New Case**

^Under investigation

\* Afp.rec Data as of 29-05-2014

**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	389	264	2	0	41	11	67	17%	14	386	99%
April	414	273	1	0	12	3	107	26%	17	409	99%
May	358	131	131	10	11	3	69	19%	5	216	60%
Pakistan	1912	1206	134	10	124	6	354	19%	71	1755	92%

\* Data as of 26-05-2014

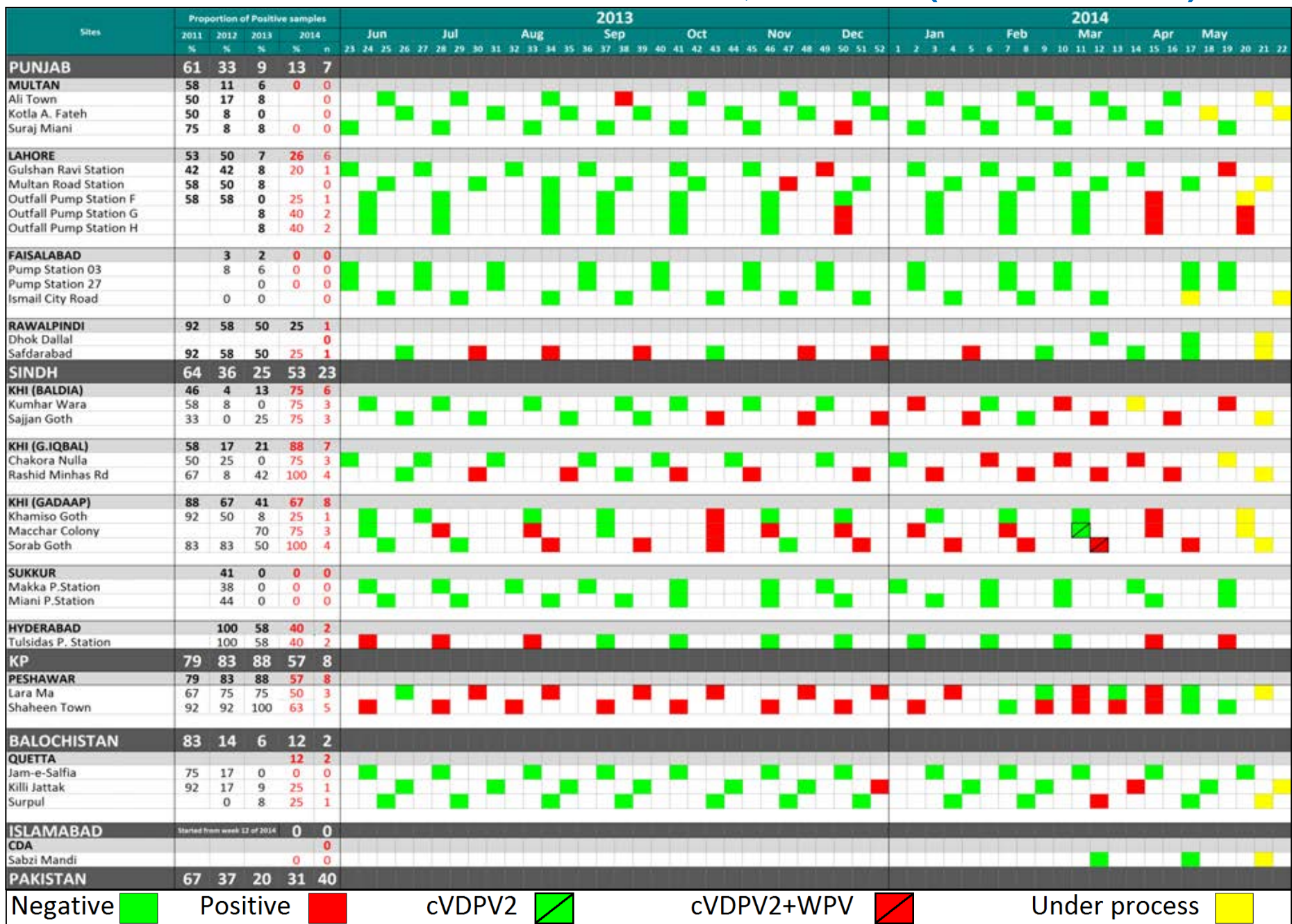


## Table 3: Urgent / ITD Pending Cases

S. #	District	Tehsil	Basic information						OPV doses				Urgent		Prov Diagnosis	Lab update			Remarks	
			Union council	Epid number	Date of Onset	Age (M)	Sex	Date of 1st stool	Stool Adeq	RI	SIA <sub>s</sub>	Last 6 SIA <sub>s</sub>	Last dose	By Field		By NSC <sub>Y</sub>	Lab No.	Days Inoc		Culture update
<b>Isolates pending for ITSD</b>																				
1	WAZIR-N	MIRAN SHAH	MIRAN SHAH	FT/64/14/084	07-May-14	22	F	14-May-14	Y	0	0	0		Y	Y	POLIO	2204	7	L20B+	
2	WAZIR-N	MIRAN SHAH	DOGA	FT/64/14/090	16-May-14	23	M	18-May-14	Y	0	0	0		Y	Y	POLIO	2244	5	SL1	Waiting rRTPCR for VDPV screening
3	BANNU *	BANNU	MAMA KHEL	KP/61/14/017	19-May-14	18	M	24-May-14	Y	0	0	0		Y	Y	POLIO MYELITIS	2351	5	L20B+	
4	BANNU *	BANNU	MUMBATI	KP/61/14/018-C1		30	M	26-May-14	#	-	-	-		N	-		2355	5	L20B+	
5	DGKHAN	DGKHAN	GHOUS ABAD	PB/81/14/050	11-May-14	3	M	18-May-14	Y	0	2	2	24-Mar-14	N		#	2241	5	SL1,SL2	
6	RYKHAN	LIAQATPUR	TRANDA MUHAMMAD	PB/72/14/048	12-May-14	24	F	19-May-14	Y	3	7+	6	06-May-14	N	N	GES	2264	4	SL2	Waiting rRTPCR for VDPV screening
7	SHEIKUPURA	SHEIKUPURA	MURIDKE	PB/33/14/023	08-May-14	15	M	16-May-14	Y	3	5	4	24-Mar-14	N	N	TRAUMATIC NEURITIS	2181	7	SL1	Waiting rRTPCR for VDPV screening
8	KAMBAR	KAMBAR	RANWTI	SD/55/14/011-C2		15	M	14-May-14	#	-	-	-		N	-		2189	9	L20B+	
9	KHILANDHI	LANDHI	2	SD/69/14/005	09-May-14	18	F	17-May-14	N	0	7+	6	04-May-14	N		GES/ POLIO	2260	4	SL3	Waiting rRTPCR for VDPV screening
10	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	Discordant O
11	UMERKOT *	UMERKOT	ATTAMOHAMM	SD/34/14/016	20-May-14	6	M	21-May-14	Y	1	1	1	25-Mar-14	N		PARAPLEGIA	2324	5	L20B+	
<b>Reported urgent (by field / NSC<sub>Y</sub> criteria)</b>																				
12	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	
13	WAZIR-N	MIRAN SHAH	DEGAN	FT/64/14/085	05-May-14		M	13-May-14	Y	0	0	0		Y	Y	POLIO	2203	13	UP	
14	WAZIR-N	MIRAN SHAH	SHWAL	FT/64/14/088	15-May-14	6	F	17-May-14	Y	0	0	0		Y	Y	POLIO	2220	13	UP	
15	BANNU	BANNU	MUMBATI	KP/61/14/015	11-May-14	12	M	16-May-14	N	0	7+	6	05-May-14	Y	N	POLIO	2205	13	UP	
16	BANNU *	BANNU	MUMBATI	KP/61/14/018	03-May-14	28	M	26-May-14	Y	0	7+	-	14-Apr-14	N	-	TRAUMA	#	6	UP	INDEX CASE
17	KAMBAR	KAMBAR	RANWTI	SD/55/14/011	19-Apr-14	60	F	14-May-14	N	0	7+	6	26-Mar-14	N	-	HEMIPLEGIA/ CVA	1736	15	UP	INDEX CASE

\* 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   Pending for genomic sequencing

# Environmental Surveillance Results, Pakistan (Last 52 weeks)



Negative 
 Positive 
 cVDPV2 
 cVDPV2+WPV 
 Under process

\* Data as of 31st May, 2014

## Comparison environmental sampling results 2013-14\*

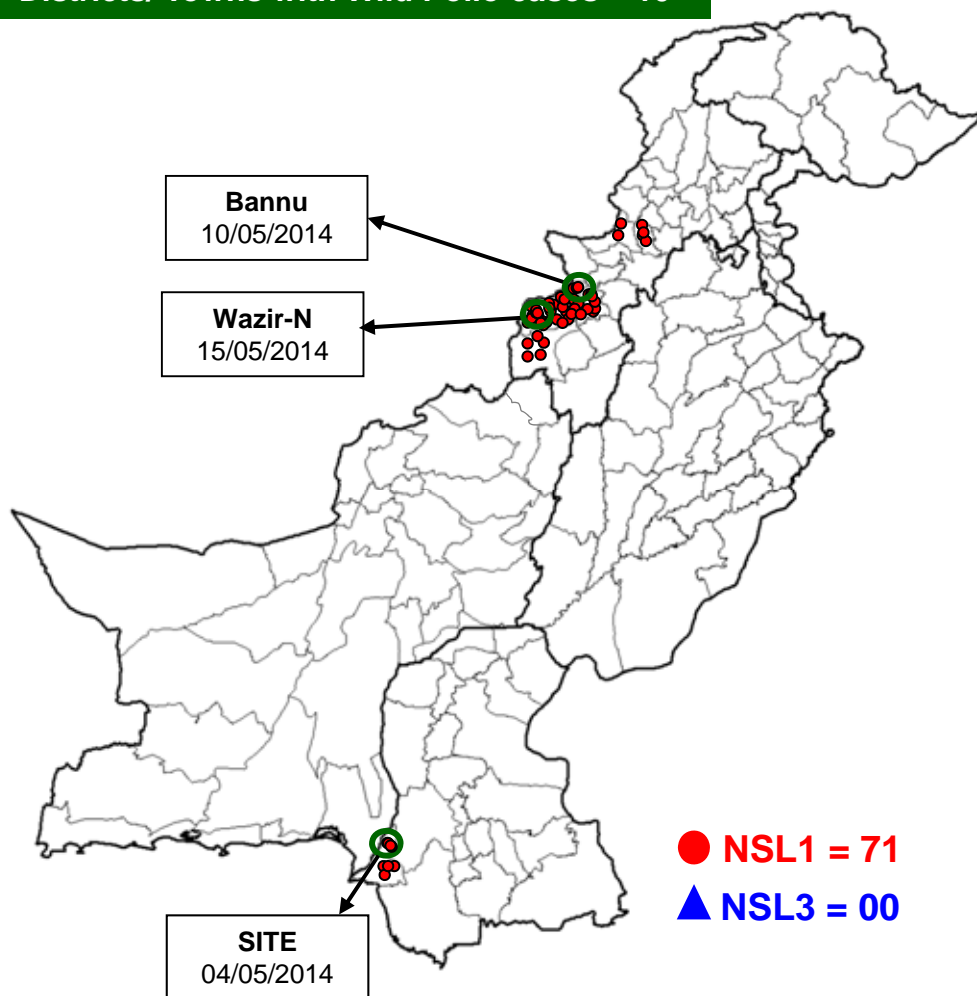
DISTRICT	2013			2014			Last
	TOTAL	WILD		TOTAL	WILD		
	n	n	%	n	n	%	
LAHORE	25	0	0%	23	6	26%	12-May-14
MULTAN	15	0	0%	12	0	0%	08-May-14
RAWALPINDI	5	1	20%	6	1	17%	24-Apr-14
FAISALABAD	15	1	7%	13	0	0%	06-May-14
KHIGIQBAL	10	0	0%	8	7	88%	15-Apr-14
KHIGADAP	13	4	31%	12	8	67%	22-Apr-14
KHIBALDIA	10	0	0%	8	6	75%	08-May-14
SUKKUR	10	0	0%	10	0	0%	08-May-14
HYDERABAD	5	4	80%	5	2	40%	06-May-14
PESHAWAR	10	8	80%	14	8	57%	10-May-14
QUETTA	14	1	7%	13	2	15%	12-May-14
<b>PAKISTAN</b>	<b>132</b>	<b>19</b>	<b>14%</b>	<b>124</b>	<b>40</b>	<b>32%</b>	<b>12-May-14</b>

\* Data as of 29-05-2014

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	May1, 2014	Oct, 2010	10	-
FATA	May, 2014	Apr, 2012	55	-
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>71</b>	<b>-</b>

○ District with last polio case in province

Cases randomly placed  
in districts

— Provincial Boundary  
— Districts Boundary

\* Afp.rec Data as of 29-05-2014

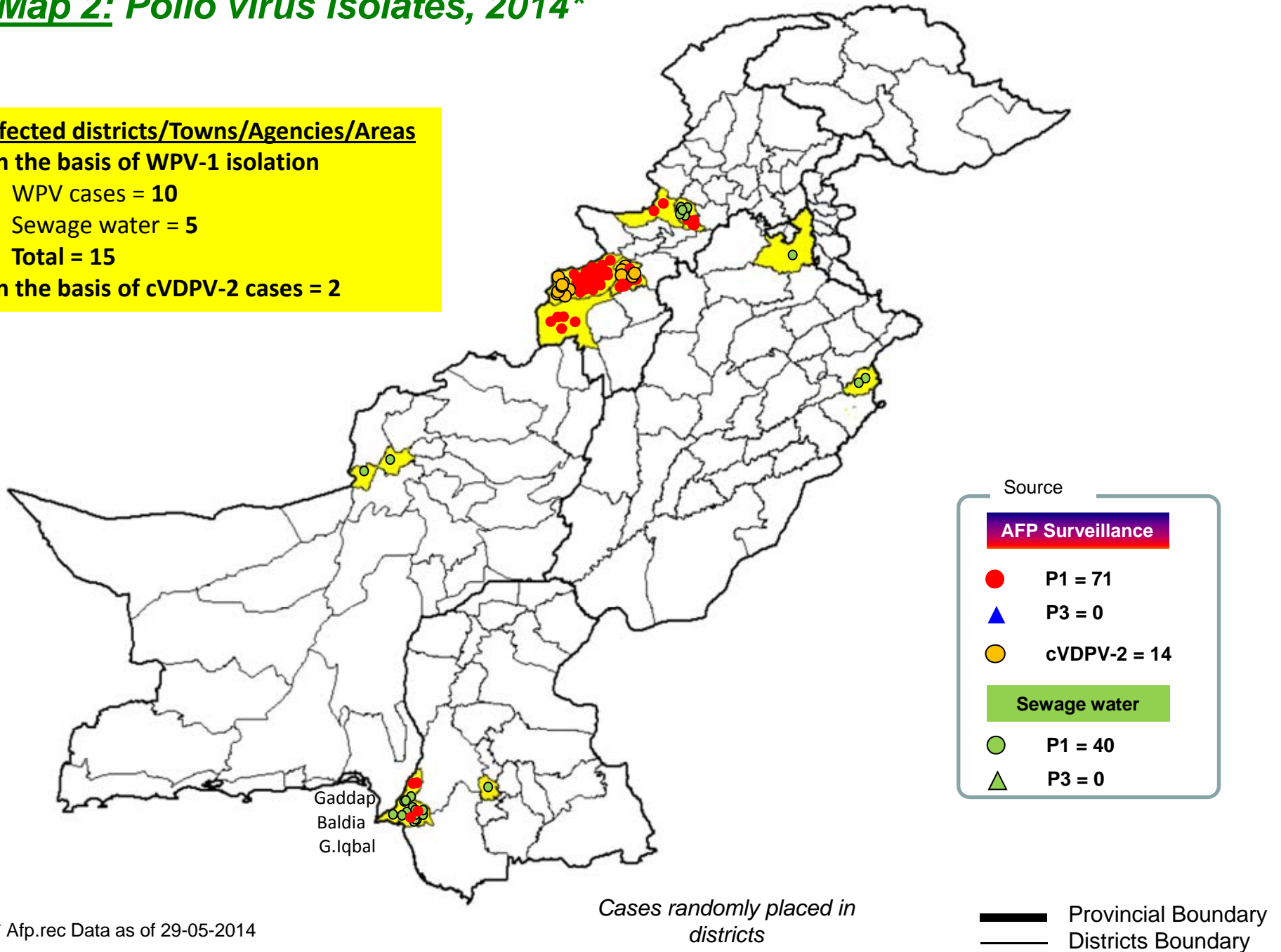
## Map 2: Polio virus isolates, 2014\*

### Infected districts/Towns/Agencies/Areas

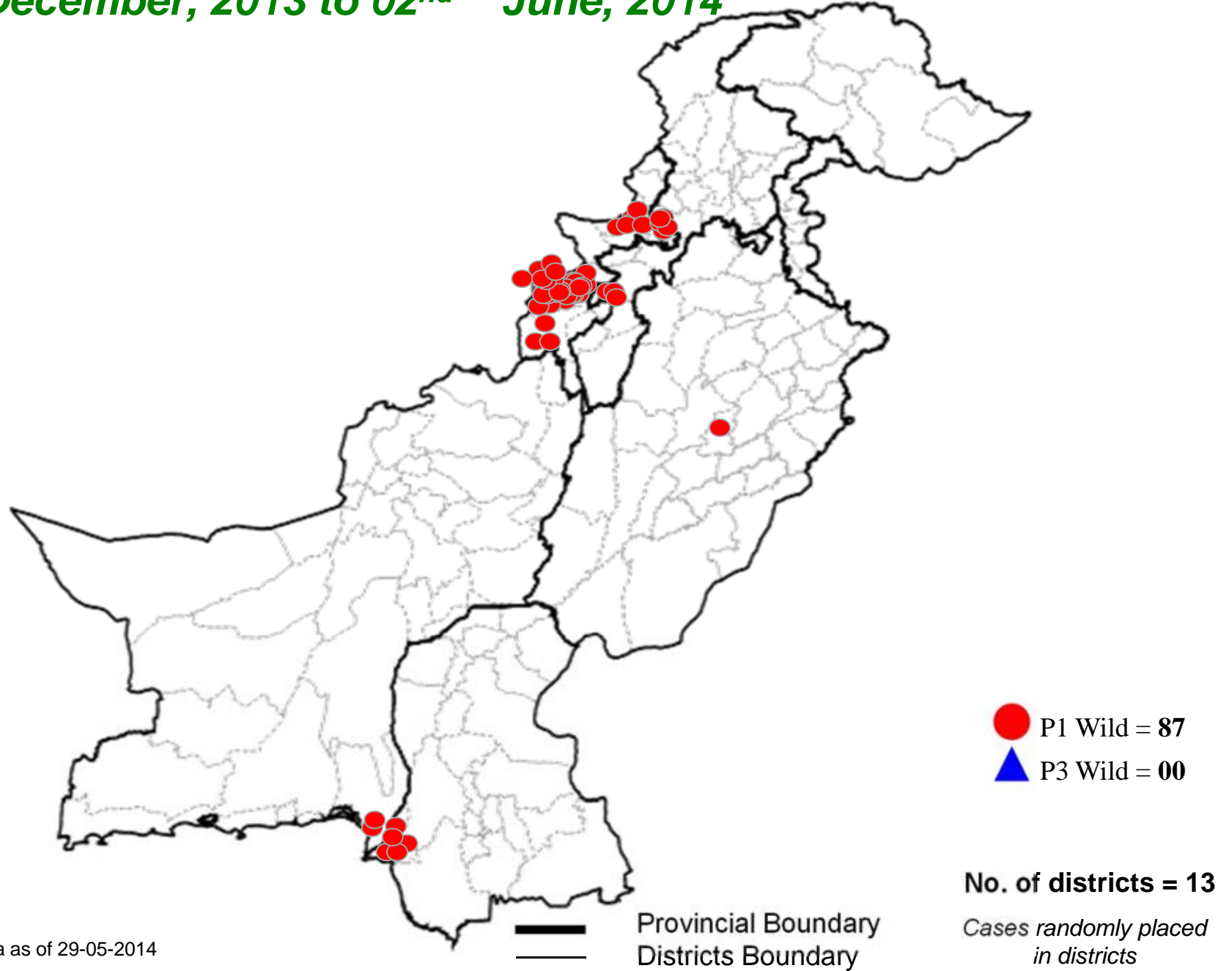
#### On the basis of WPV-1 isolation

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

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



**Map 3: Wild Polio cases in the last 6 months from 03<sup>rd</sup> December, 2013 to 02<sup>nd</sup> June, 2014\***



\* Afp.rec Data as of 29-05-2014

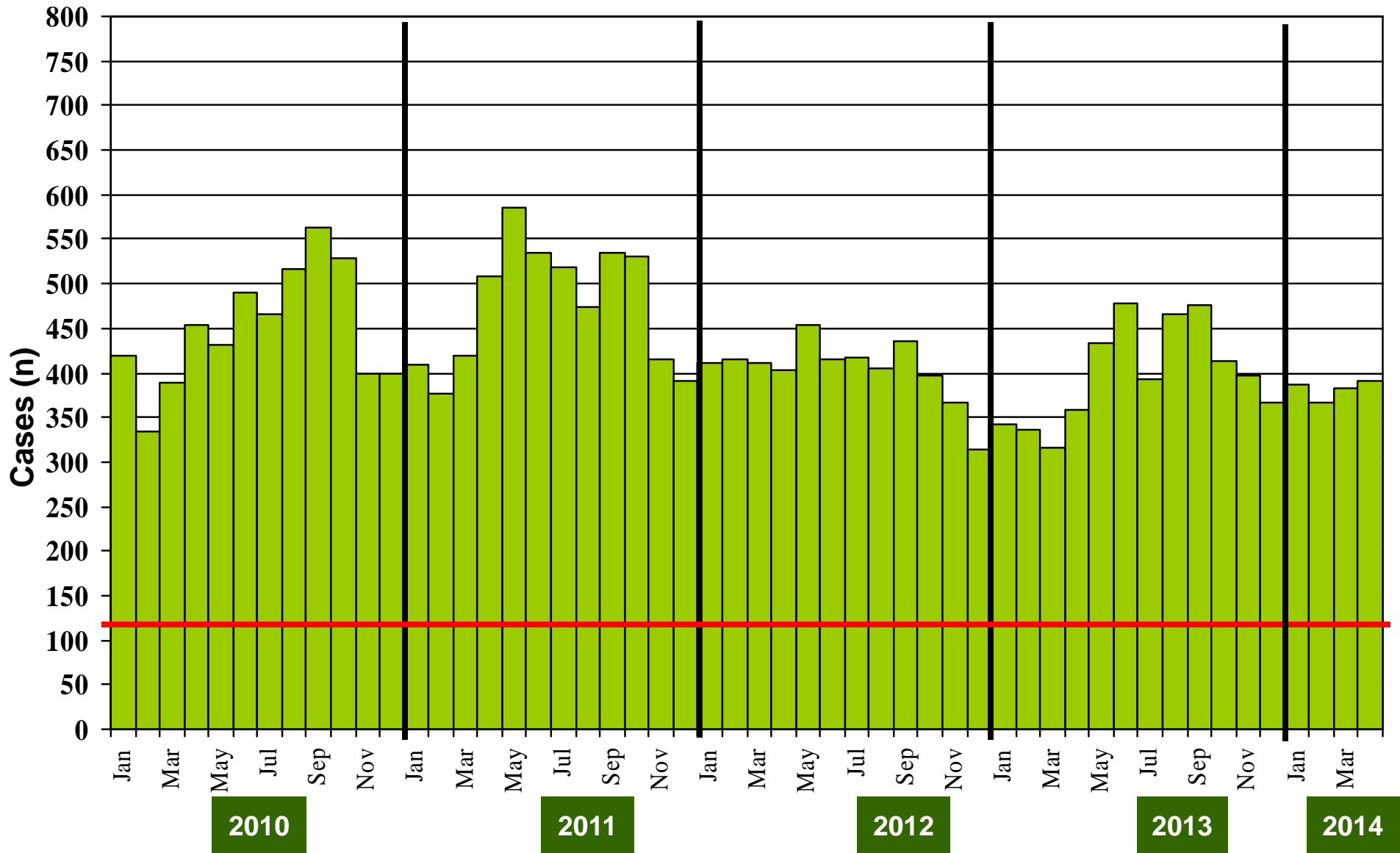
**Table 4: Distribution of AFP Cases By Week of Onset ^  
Pakistan 2013-14\* [Week number/Ending on]**

PROVINCE	W 07 15 Feb 2014	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
PUNJAB	42	34	48	39	32	50	40	36	32	60	55	54	63	53	21
SINDH	23	17	20	23	19	26	27	25	24	21	19	20	17	23	4
KP	12	23	18	17	20	19	16	15	15	21	22	22	16	11	6
FATA	11	6	6	7	5	7	7	7	7	5	8	8	8	6	1
BALUCHISTAN	5	5	1	3	1	2	4	1	1	0	6	5	6	0	5
AJK	1	2	1	1	0	0	0	0	0	0	0	0	0	1	1
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>89</b>	<b>94</b>	<b>90</b>	<b>77</b>	<b>104</b>	<b>94</b>	<b>84</b>	<b>79</b>	<b>109</b>	<b>111</b>	<b>109</b>	<b>110</b>	<b>94</b>	<b>40</b>

\* Afp.rec & Afplab.rec: Data as of 29-05-2014

^ MMWR Epidemiological Weeks

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

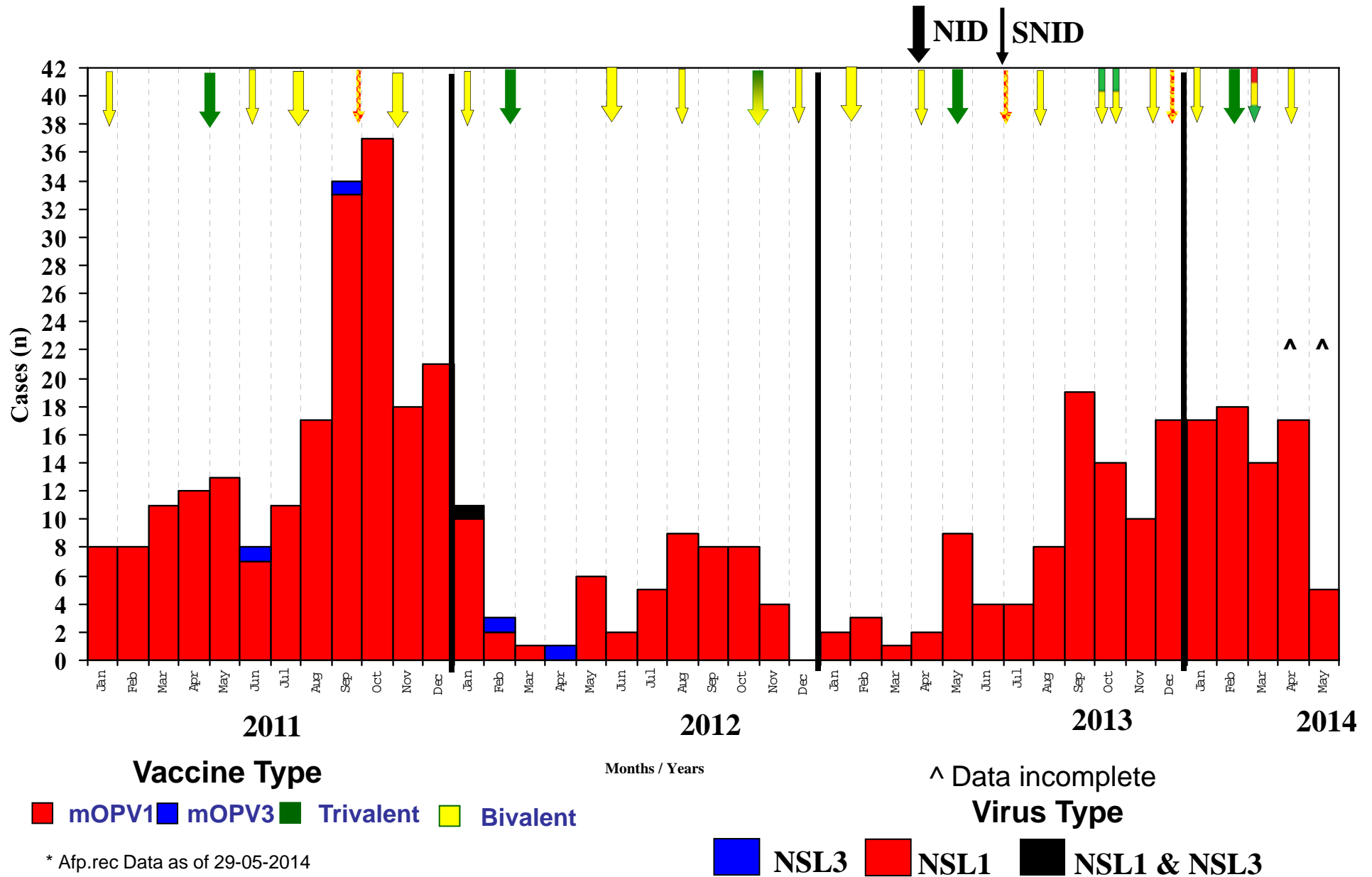


**@ Non-polio AFP rate of 2/100,000 children < 15 years**

\* Afp.rec Data as of 29-05-2014

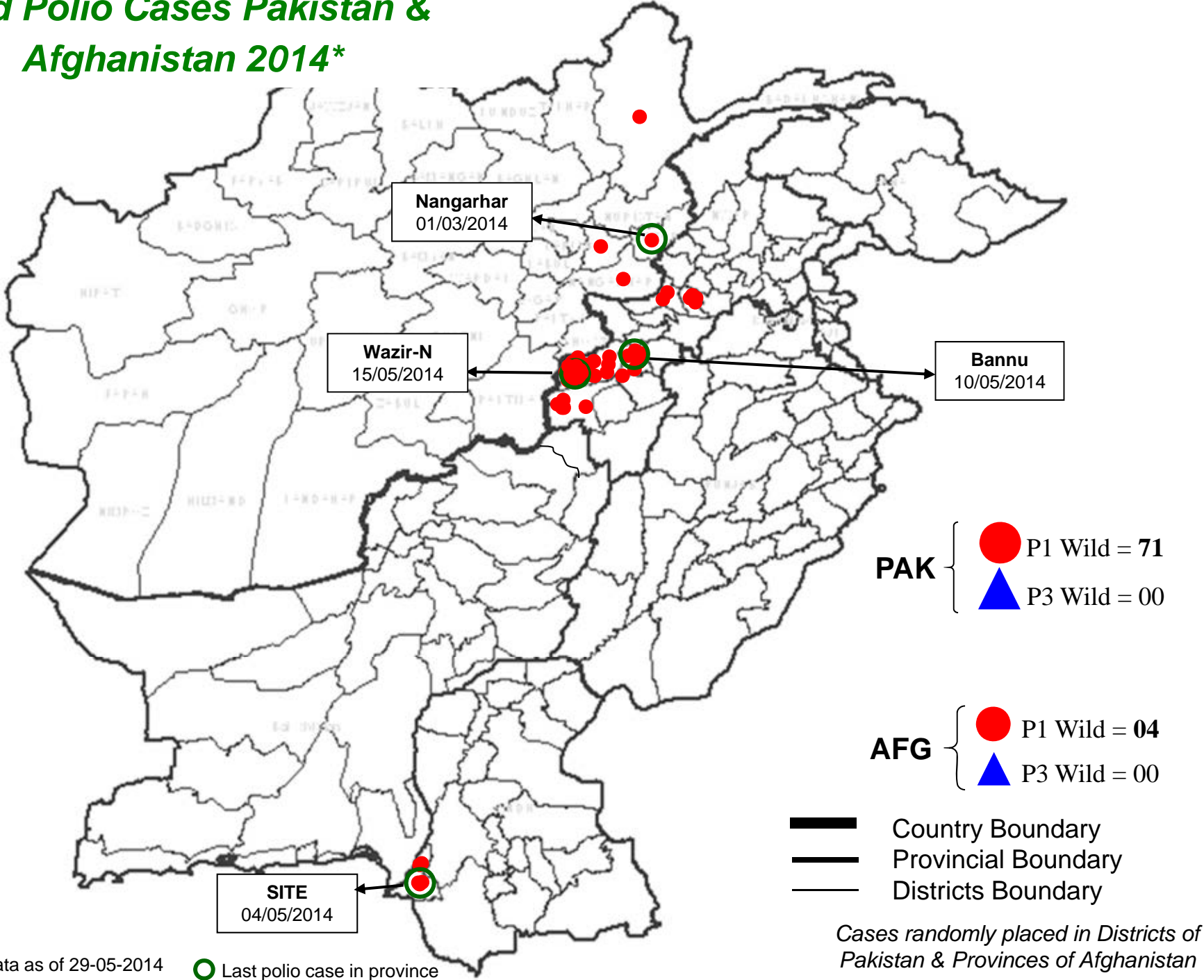


# Confirmed Polio Cases By Poliovirus Type, 2011-2014\*



\* Afp.rec Data as of 29-05-2014

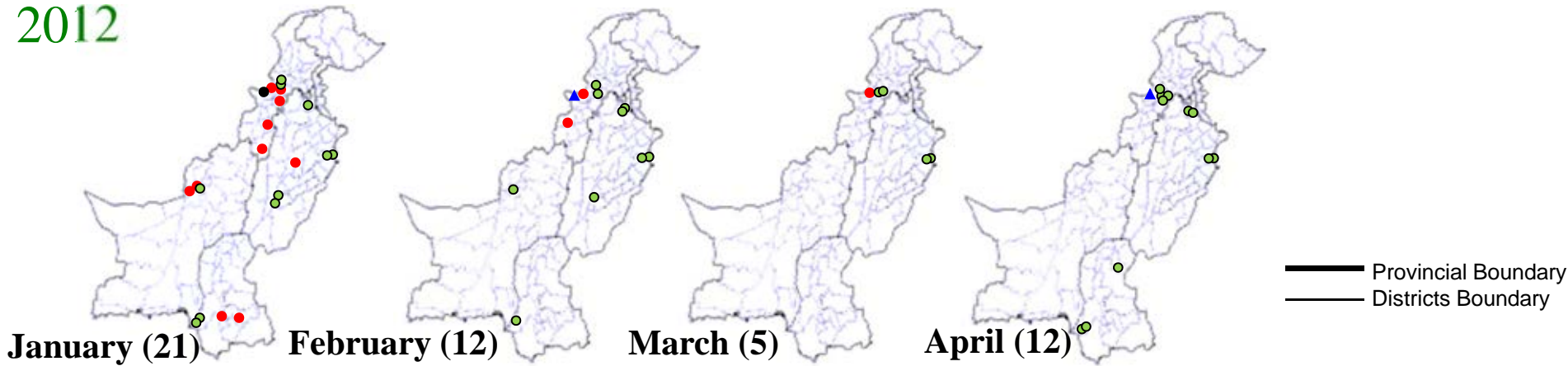
# Wild Polio Cases Pakistan & Afghanistan 2014\*



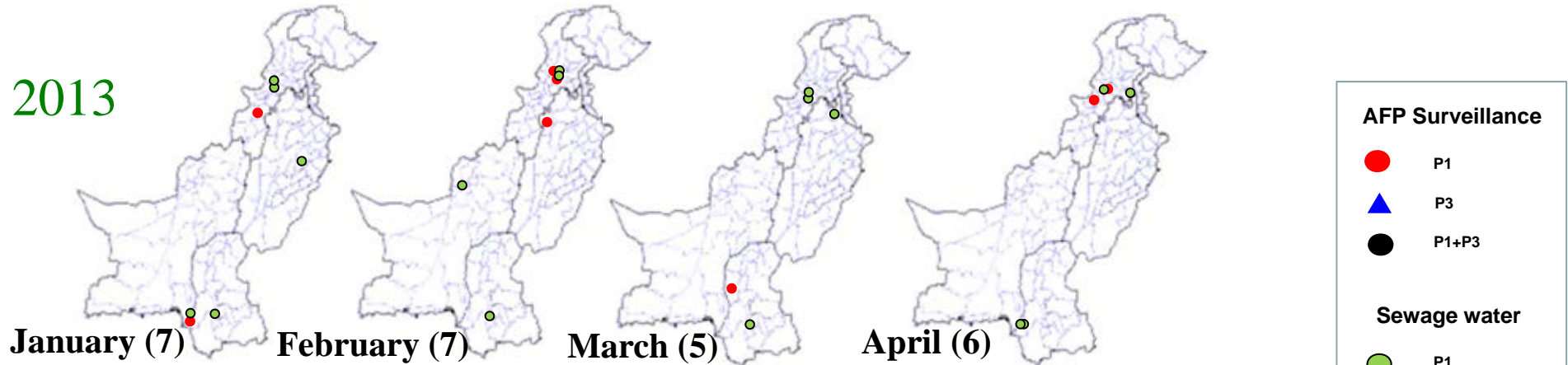
\* Afp.rec Data as of 29-05-2014    ● Last polio case in province

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

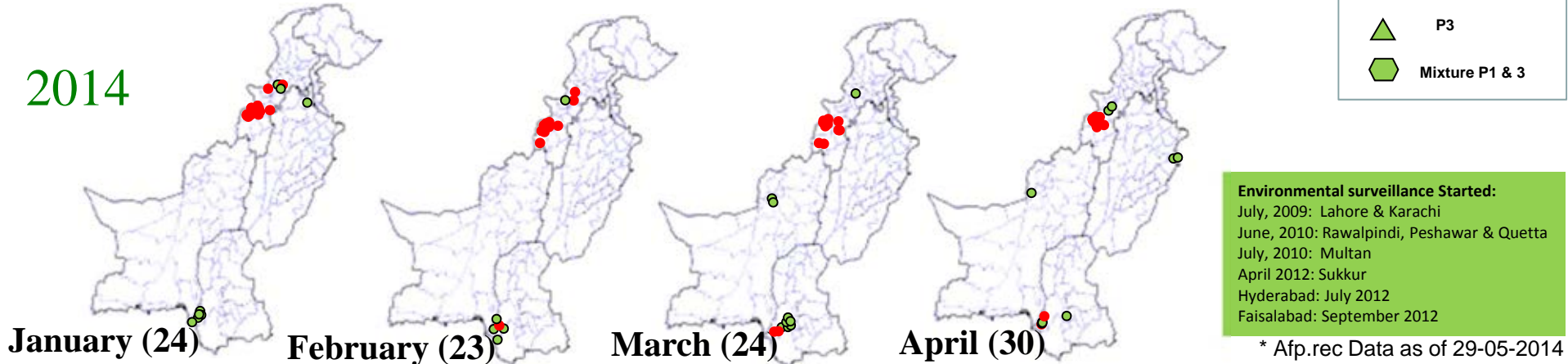
2012



2013



2014



**AFP Surveillance**

- P1
- ▲ P3
- P1+P3

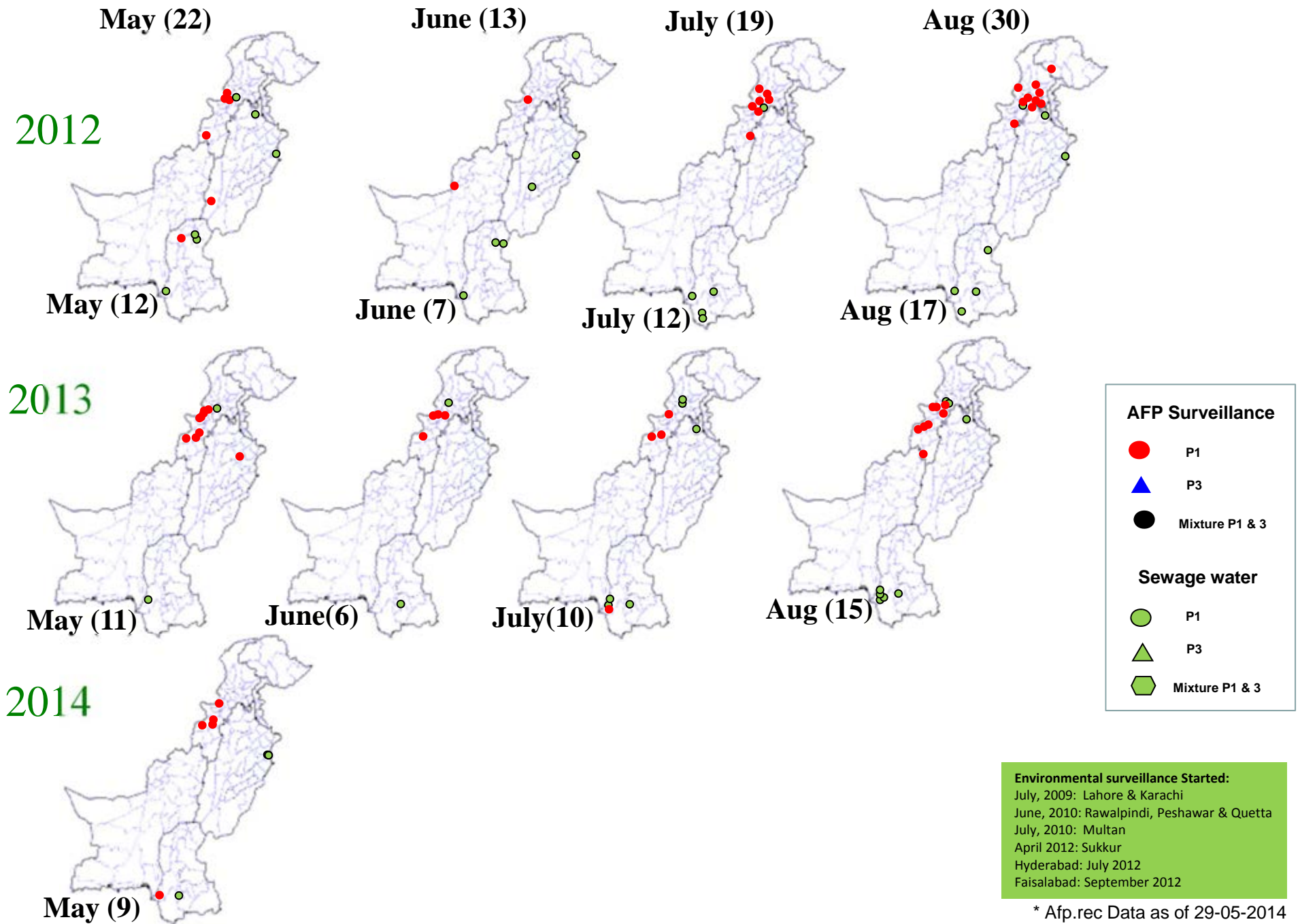
**Sewage water**

- 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

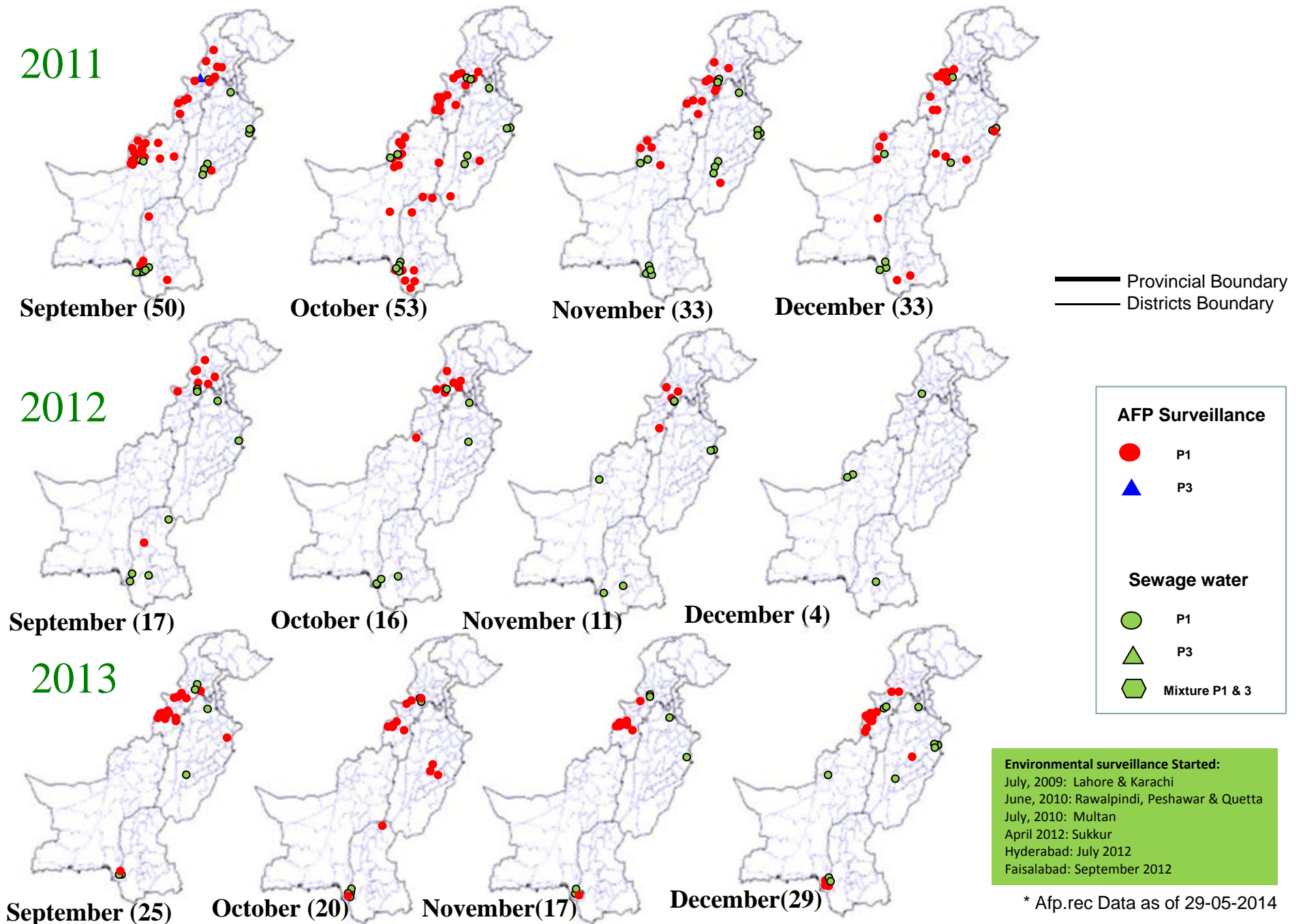
\* Afp.rec Data as of 29-05-2014

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



\* Afp.rec Data as of 29-05-2014

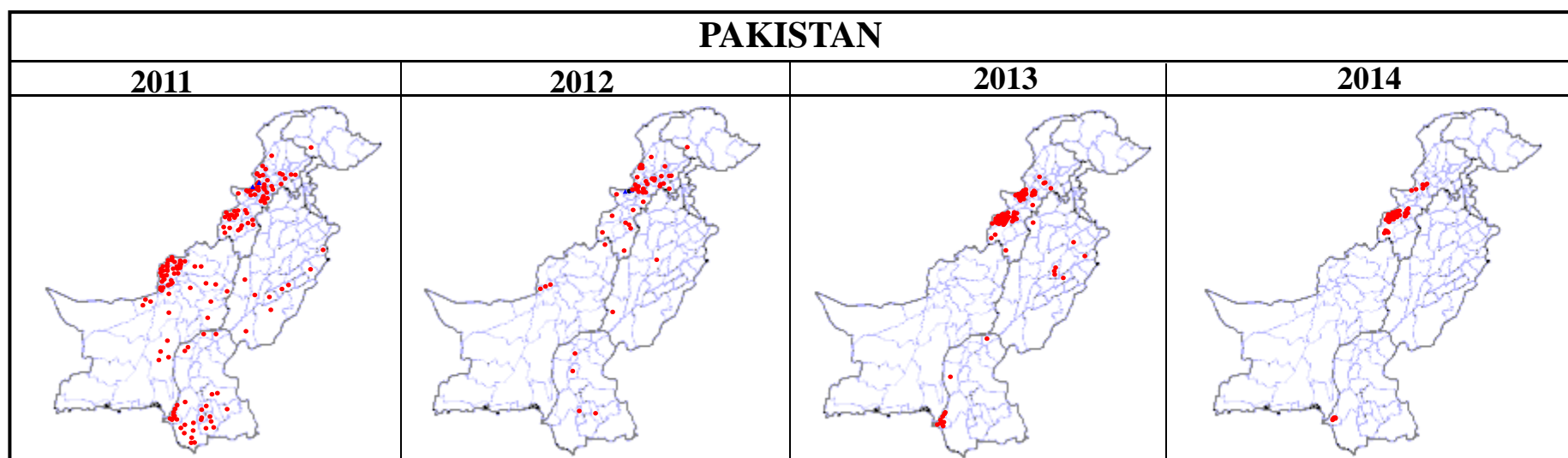
# Map 4.2: Monthly Comparison of P1 & P3 Polio Cases/Isolates 2011-2013\*



## 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	10	0	-	-	-	23	27	11	10
FATA^	57	17	65	55	2	2	-	-	59	20^	65	55
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>71</b>	<b>2</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>198</b>	<b>58</b>	<b>93</b>	<b>71</b>

^ FATA reported mixture of NSL1 & NSL3

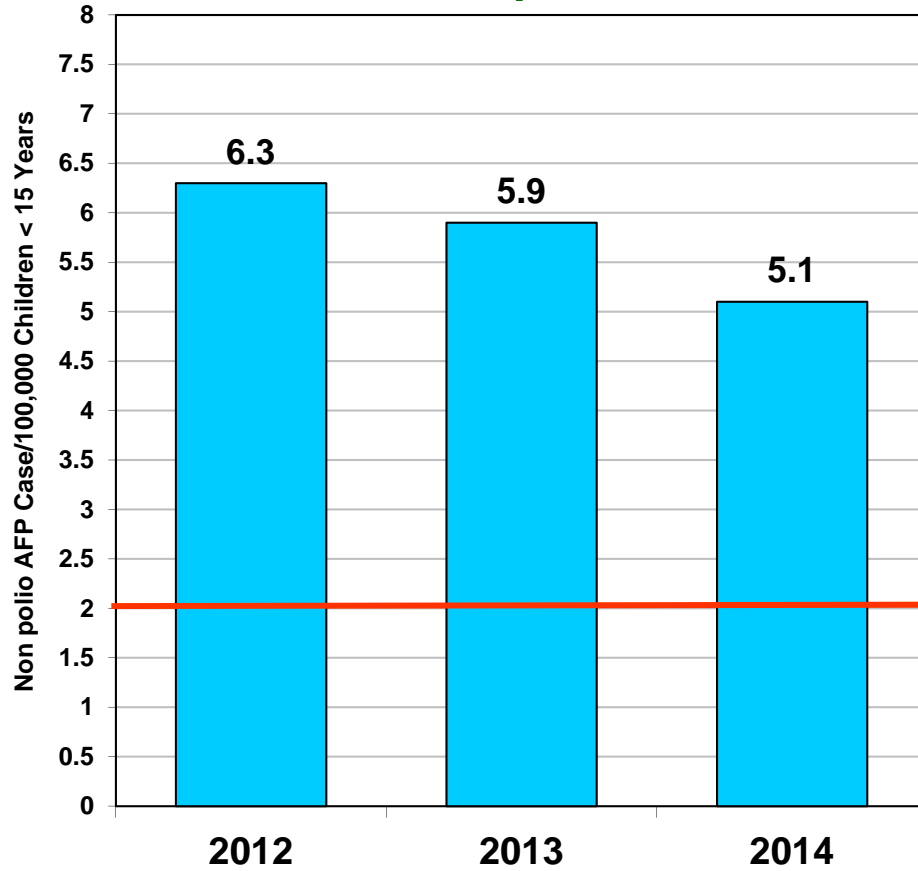


\* Afp.rec Data as of 29-05-2014

# Key Surveillance Indicators; 2012-2014\*

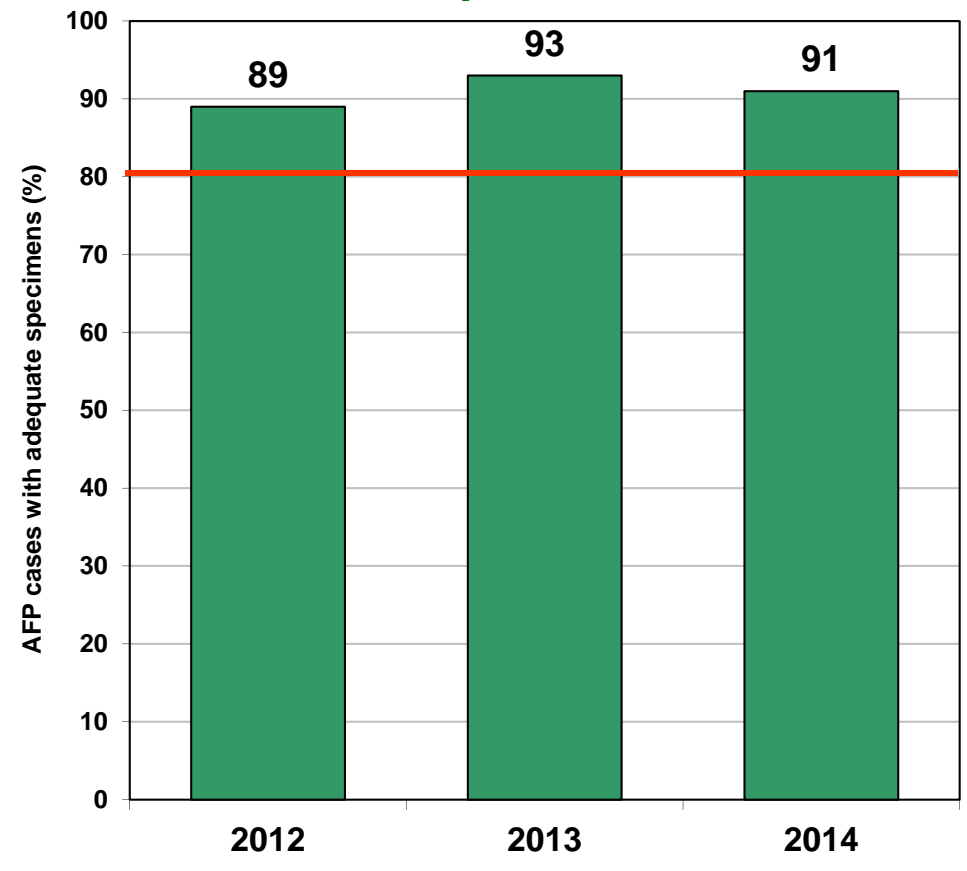
(Non polio AFP rate and % AFP cases with adequate specimens)

**Graph 3**



■ Non Polio AFP Rate

**Graph 4**



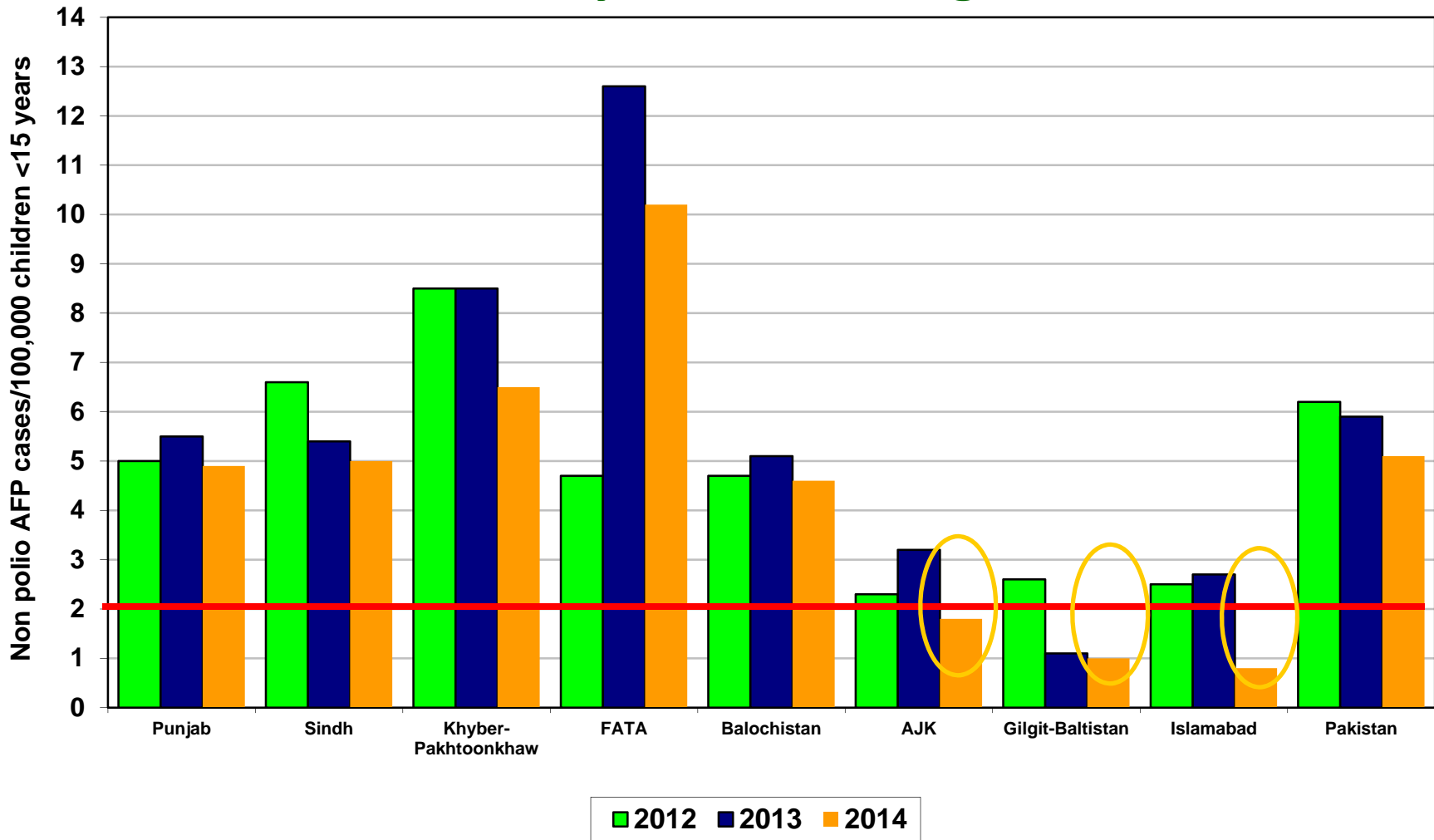
■ % AFP with Adequate Specimens

— Target

Non Polio AFP rate Up to Week No. 21 ended on 24<sup>th</sup> May, 2014

\* Afp.rec Data as of 29-05-2014

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



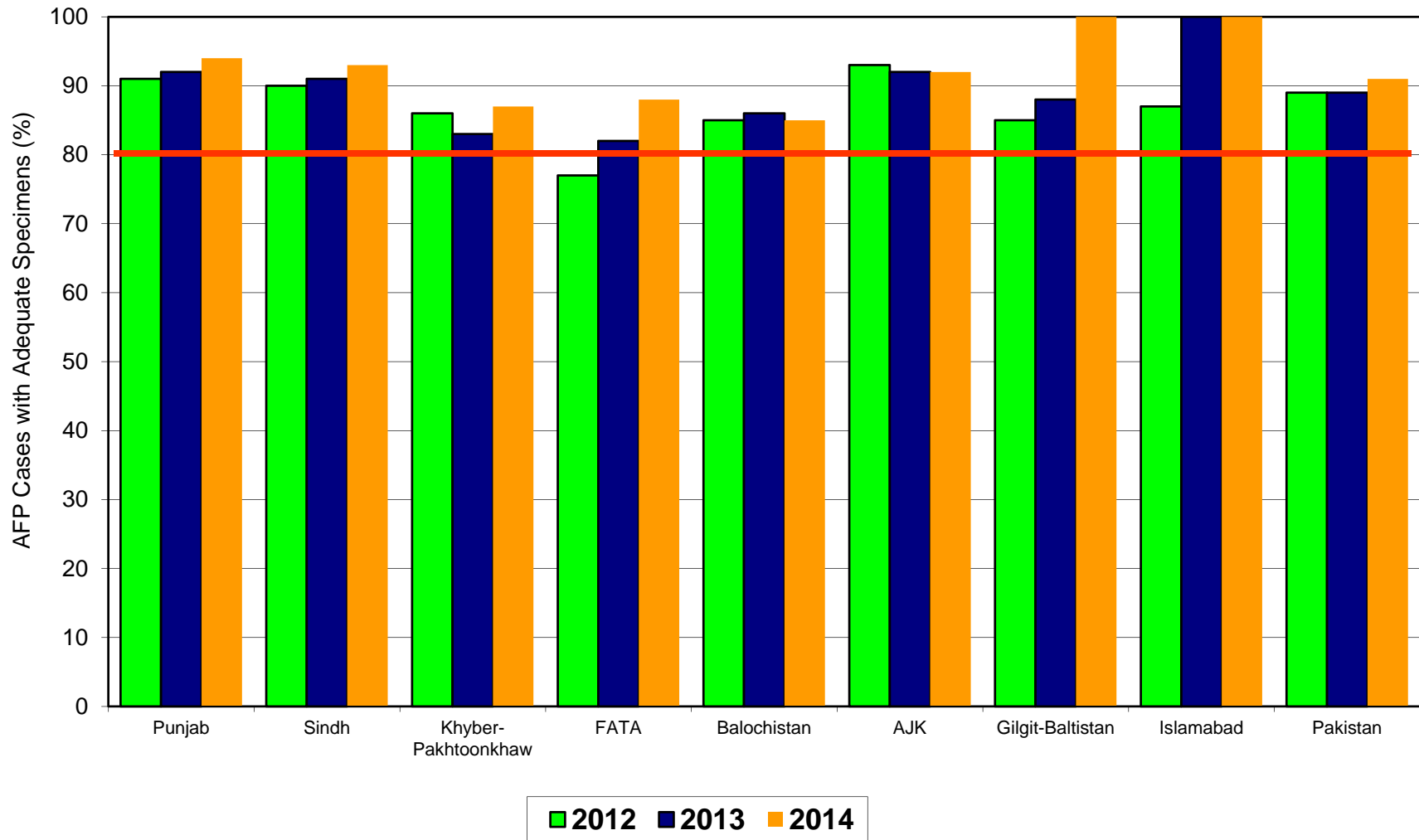
Non Polio AFP rate Up to Week No. 21 ended on 24<sup>th</sup> May, 2014

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

\* Afp.rec Data as of 29-05-2014



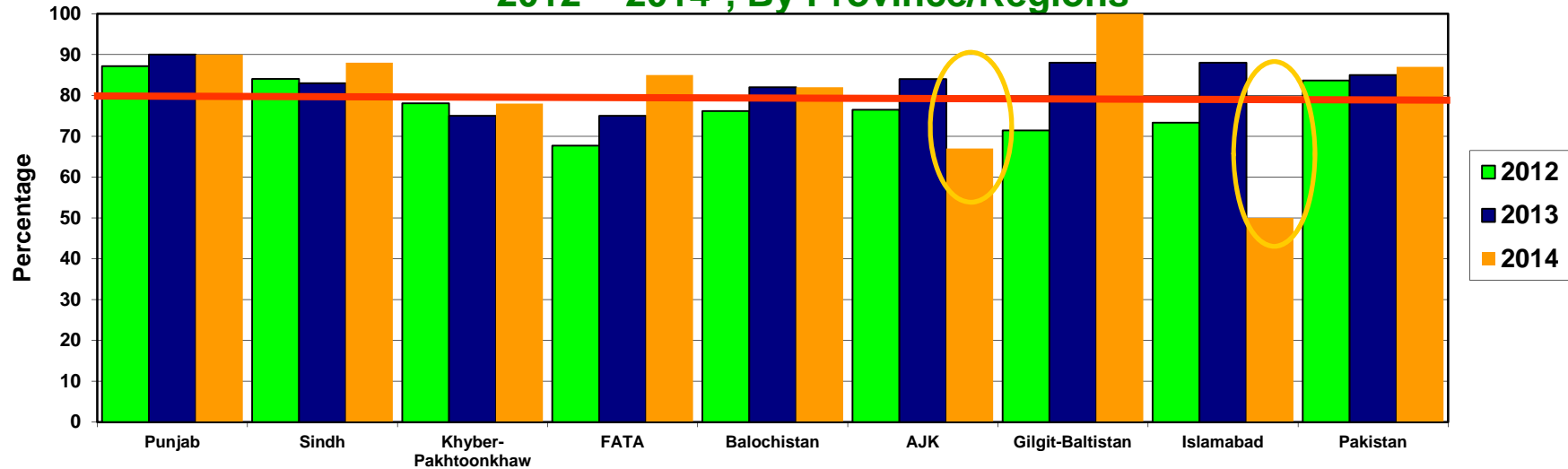
# Percent AFP Cases with Adequate Specimens By Province/Regions, 2012-2014\*



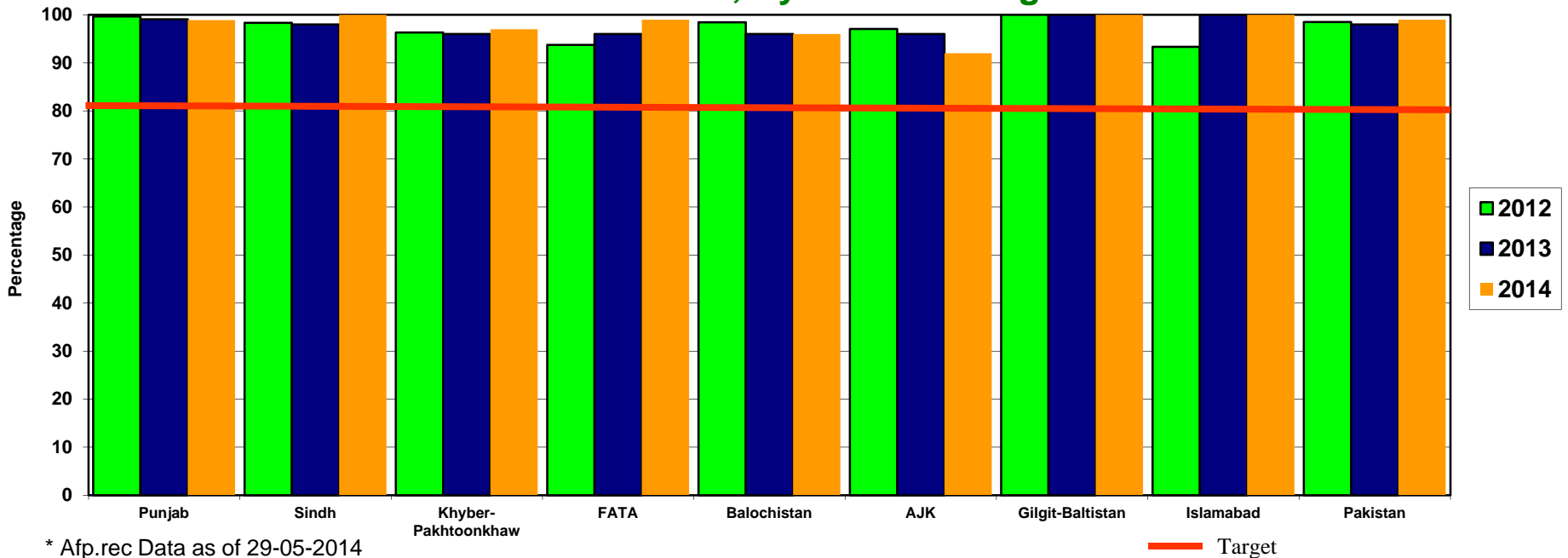
\* Afp.rec Data as of 29-05-2014

 Target Adequate Sample cases = 80%

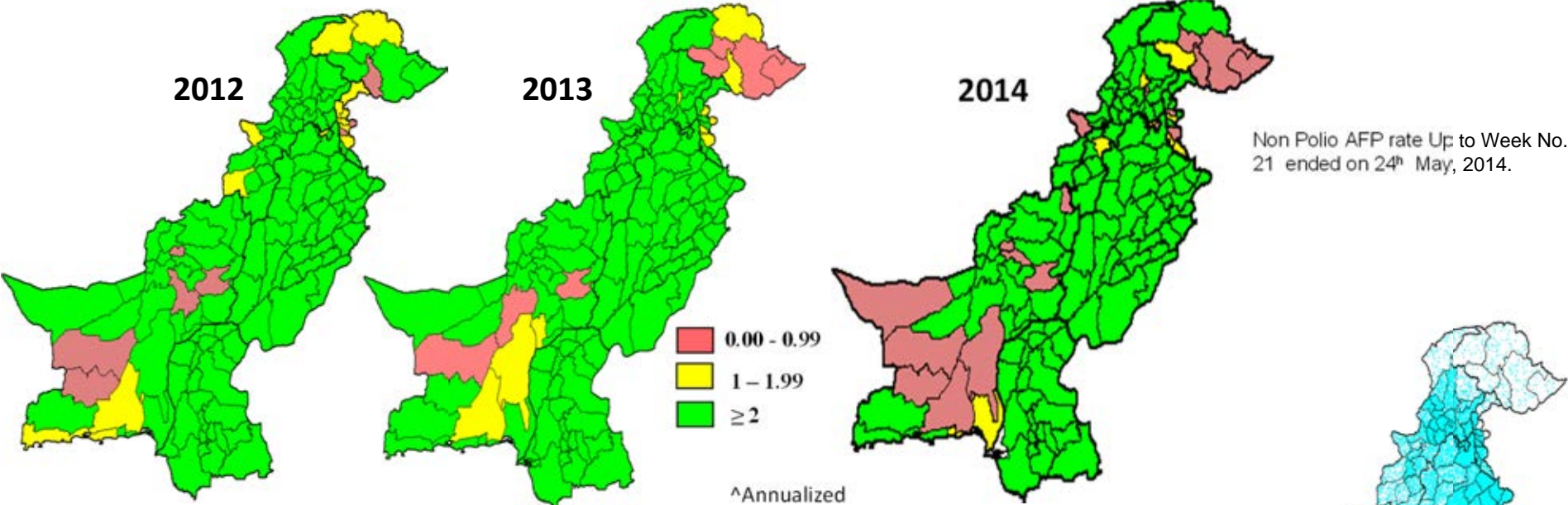
**Graph 5: Percent AFP Cases Notified within 07 days of paralysis onset  
2012 ~ 2014\*, By Province/Regions**



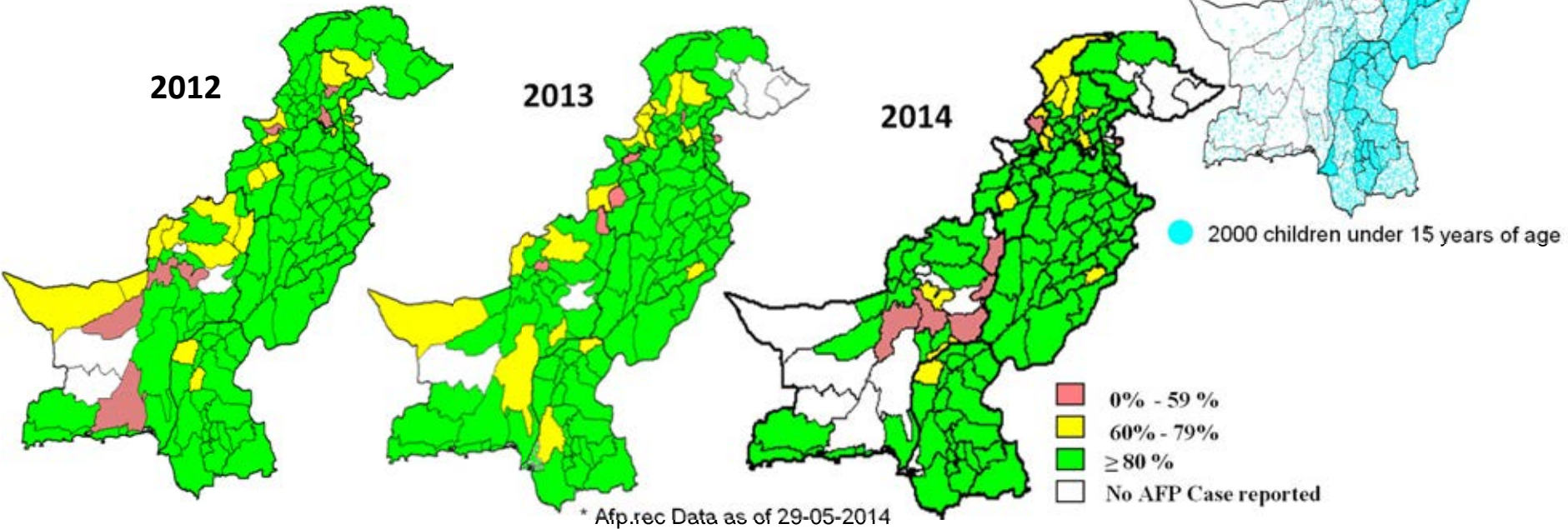
**Graph 6: Percent AFP Cases Investigated within 48 hours of notification  
2012 ~ 2014\*, By Province/Regions**



### 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	279
2	KHIGADAP	GADAP	SD/63/13/031	M	14	7/15/2013	7+	Late Notified			Y	Y	Y	Y	318
3	BAGH	BAGH	AJ/50/13/012	F	34	12/22/2013	7+	1/14/2014	1/17/2014	NVI	Y	Y	Y	Y	158
4	GHIZER	PUNIAL	GB/41/13/001	M	66	9/2/2013	7+	9/6/2013		EV	N	Y	Y	DIED	269

€ Based on recall of parents  
 \* Afp.rec Data as of 29-05-2014

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	DOSES€	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	95
2	RAWALPINDI	RAWALPINDI	PB/11/14/004	M	10	1/26/2014	7+	2/12/2014		NVI	Y	Y	Y	Y	123
3	VEHARI	MAILSI	PB/63/14/024	F	81	2/25/2014	7+	Child Died Before Stool Collection			Y	Y	Y		93
4	KHAIRPUR	KHAIRPUR	SD/43/14/003	F	72	1/28/2014	7+	Child Died Before Stool Collection			Y	Y	Y	DIED	121
5	KHIGADAP	GADAP	SD/63/14/004	M	10	1/5/2014	0	3/5/2014	3/6/2014	EV	Y	Y	Y	Y	144
6	KHIJAMSHEED	JAMSHEED	SD/66/14/001	F	121	1/14/2014	7+	1/27/2014	1/29/2014	NVI	Y	N	Y		135
7	KHIKORANGI	KORANGI	SD/68/14/001	M	23	1/5/2014	7+	Child Died Before Stool Collection			N	N	N	DIED	144
8	UMERKOT	SAMARO	SD/34/14/002	F	24	1/14/2014	7+	Child Died Before Stool Collection			Y	N	Y	DIED	135
9	CHARSADA	SHABQADAR	KP/31/14/005	M	10	1/26/2014	7+	2/8/2014	2/10/2014	EV	N	Y	Y		123
10	CHARSADA	CHARSADA	KP/31/14/013	F	25	1/26/2014	7+	3/21/2014	3/23/2014	EV	N	Y	Y		123
11	CHITRAL	CHITRAL	KP/21/14/001	M	48	1/22/2014	7+	1/31/2014			Y	N	Y		127
12	DIRUPPER	DIR	KP/25/14/002	F	42	2/16/2014	7+	3/9/2014	3/10/2014	EV	Y	Y	Y		102
13	TANK	TANK	KP/63/14/002	M	18	2/5/2014	7+	3/6/2014	3/8/2014	EV	Y	N	UK		113
14	BARKHAN	BARKHAN	BN/23/14/001	M	36	1/19/2014	3	1/30/2014		NVI	Y	Y	UK	DIED	130
15	DBUGTI	DERA BUGTI	BN/35/14/001	M	33	1/20/2014	7+	2/22/2014	2/23/2014	NVI	Y	Y	Y		129
16	JAFARABAD	JHAT PAT	BN/43/14/005	F	14	2/5/2014	7+	2/19/2014	2/21/2014	NVI	Y	Y	Y	Y	113
17	KALAT	KALAT	BN/53/14/001	M	120	2/1/2014	7+	3/1/2014	3/4/2014	NVI	N	Y	Y	Y	117
18	HAVELI	HAVELI	AJ/51/14/002	F	120	2/16/2014	3	4/17/2014	4/19/2014	NVI	Y	N	Y	Y	102
19	FR BANNU	FR BANNU	FT/69/14/011	M	8	2/3/2014	0	2/20/2014	2/21/2014	NVI	Y	Y	Y		115
20	WAZIR-N	MIRAN SHAH	FT/64/14/044	M	12	1/27/2014	0	3/2/2014	3/3/2014	VACC	Y	Y	Y		122

€ Based on recall of parents

\* Afp.rec Data as of 29-05-2014

60 days Follow-up not done

FUP = Residual Weakness at 60 days follow up.