



**World Health  
Organization**

**Weekly  
AFP Surveillance Update  
Pakistan**

**Week 14** (*Ended on 05<sup>th</sup> April, 2014*)

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Federal EPI***

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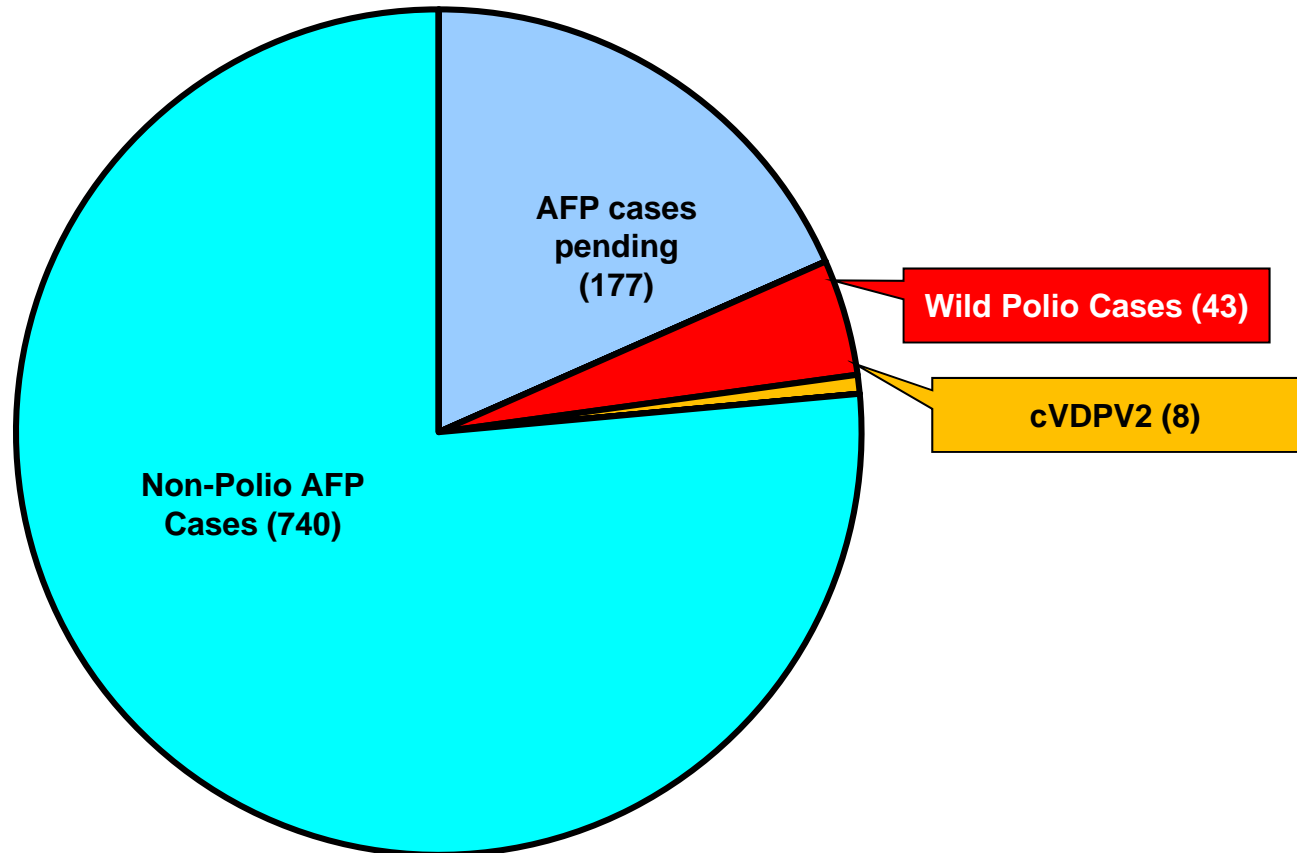
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AFP Surveillance



# AFP Case Profile, 2014\*



**Total AFP Cases Reported = 968**

**^6 Inadequate cases pending classification by ERC;  
^55 Inadequate cases not due for FUP  
^116 Pending in the Lab**

\* Afp.rec Data as of 07-04-2014

## 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	3	6	3	2	07-Mar -14
FATA / FR Areas	0	36	0	4	20-Mar -14
Sindh	2	1	2	1	10-Feb-14
Balochistan	0	0	0	0	02-Oct-12
Punjab	1	0	1	0	12-Dec-13
<b>Pakistan</b>	<b>6</b>	<b>43</b>	<b>6</b>	<b>7</b>	<b>20-Mar-14</b>

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

\* Afp.rec Data as of 07-04-2014

**Table 1: List of Confirmed Polio Cases, Pakistan 2014\* (1/2)**

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	10^	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	3	3	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	3	3	Y	Y	Y	N	NSL1	R4B

\$ Security compromised area

^Under investigation

\* Afp.rec Data as of 07-04-2014

**Table 1: List of Confirmed Polio Cases, Pakistan 2014\* (2/2)**

S.NO.	PROVINCE/ REGION	DISTRICT	TEHSIL	EPID NO.	SEX	AGE (m)	DATE ONSET OF PARALYSIS	NO. OPV DOSES (based on parents recall)		FEVER	Asymmetric Paralysis	Rapid Progression	REFUSAL	WPV TYPE	GENETICS
								Route	SIA's						Cluster
23	FATA	WAZIR-N	MIRAN SHAH	FT/64/14/041	F	18	10-Feb-14	0	0	Y	N	Y	N	NSL1	R4B
24	SINDH	KARACHI	BALDIA	SD/61/14/002	F	24	10-Feb-14	0	0	Y	Y	Y	N	NSL1	R4B
25	FATA	WAZIR-S	BIRMAL	FT/65/14/001	F	6	12-Feb-14	0	0	Y	Y	Y	N	NSL1	R4B
26	FATA	WAZIR-N	MIRAN SHAH	FT/64/14/035	M	5	12-Feb-14	0	0	Y	Y	Y	N	NSL1	R4B
27	FATA	WAZIR-N	MIRAN SHAH	FT/64/14/038	M	44	15-Feb-14	0	0	Y	Y	Y	N	NSL1	R4B
28	FATA	FR BANNU	FR BANNU	FT/69/14/009	F	18	15-Feb-14	0	0	Y	Y	Y	N	NSL1	R4B
29	FATA	WAZIR-N	MIRAN SHAH	FT/64/14/037	M	10	16-Feb-14	0	0	Y	Y	Y	N	NSL1	R4B
30	FATA	WAZIR-N\$	MIR ALI	FT/64/14/042	M	17	21-Feb-14	0	0	Y	Y	N	N	NSL1	R4B
31	FATA	WAZIR-N\$	MIR ALI	FT/64/14/047	F	7	21-Feb-14	0	0	Y	Y	Y	N	NSL1	R4B
32	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/040	M	11	22-Feb-14	0	0	Y	Y	Y	N	NSL1	R4B
33	KPAKHTUNKHWA	PESHAWAR	PESHAWAR	KP/30/14/016	M	22	24-Feb-14	0	0	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	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/050	M	13	04-Mar-14	0	0	Y	Y	Y	N	NSL1	R4B
37	KPAKHTUNKHWA	BANNU	BANNU	KP/61/14/006	F	16	07-Mar-14	0	0	Y	Y	Y	Y	NSL1	R4B
38	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/051	M	14	07-Mar-14	0	0	Y	Y	Y	N	NSL1	R4B
39	FATA	WAZIR-N\$	MIR ALI	FT/64/14/049	M	5	08-Mar-14	0	0	Y	N	Y	N	NSL1	R4B
40	KPAKHTUNKHWA	BANNU	BANNU	KP/61/14/007	F	10	02-Mar-14	0	0	Y	Y	Y	Y	NSL1	
41	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/057	F	34	20-Mar-14	0	0	Y	N	Y	N	NSL1	
42	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/056	M	12	14-Mar-14	0	0	Y	Y	Y	N	NSL1	
43	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/059	M	11	19-Mar-14	0	0	Y	Y	Y	N	NSL1	

\$ Security compromised area

**New Case**

^Under investigation

\* Afp.rec Data as of 07-04-2014

**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	<b>384</b>	<b>269</b>	<b>0</b>	<b>0</b>	<b>25</b>	<b>7</b>	<b>68</b>	<b>18%</b>	<b>17</b>	<b>379</b>	<b>99%</b>
February	<b>369</b>	<b>267</b>	<b>6</b>	<b>1</b>	<b>34</b>	<b>9</b>	<b>42</b>	<b>11%</b>	<b>18</b>	<b>361</b>	<b>98%</b>
March	<b>324</b>	<b>123</b>	<b>150</b>	<b>3</b>	<b>22</b>	<b>7</b>	<b>17</b>	<b>5%</b>	<b>8</b>	<b>170</b>	<b>52%</b>
April	<b>2</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0%</b>	<b>0</b>	<b>0</b>	<b>0%</b>
Pakistan	<b>1079</b>	<b>659</b>	<b>158</b>	<b>4</b>	<b>81</b>	<b>8</b>	<b>127</b>	<b>12%</b>	<b>43</b>	<b>910</b>	<b>84%</b>

\* Data as of 07-04-2014

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

S. #	Basic information									OPV doses				Urgent		Prov Diagnosis	Lab update			Remarks
	District	Tehsil	Union council	Epid number	Date of Onset	Age (M)	Sex	Date of 1st stool	Stool Adeq	Ri	SIAs	Last 6 SIAs	Last dose	By Field	By NSC $\ddagger$		Lab No.	Days Inoc	Culture update	
<b>Isolates pending for ITSD</b>																				
1	FR BANNU	FR BANNU	SHAHADAD KHEL	FT/69/14/012	21-Feb-14	10	F	15-Mar-14	N	0	0	0		Y	Y	SUSPECTED POLIO	1087	7	P2	Discordant O
2	WAZIR-S	BIRMAL	ANGOOR ADDA	FT/65/14/002	14-Mar-14	6	F	16-Mar-14	Y	0	0	0		Y	Y	POLIO	1125	7	L20B+	
3	BANNU	BANNU	MUMBATTI	KP/61/14/009-C3		36	F	16-Mar-14	-	-	-			-	-	MENINGITIS / POLIO	1110	2	L20B+	REFUSAL
4	MUZFARGARH §	JATOI	JHUGI WALI	PB/83/14/015	11-Mar-14	3	M	25-Mar-14	N	1	2	2	07-Mar-14	N	Y	TRAUMATIC NEURITIS	1260	7	SL2	Waiting rRTPCR for VDPV screening
5	SIALKOT §	SIALKOT	PINDI KHOKHRAN	PB/25/14/015	21-Mar-14		M	25-Mar-14	Y	3	6	6	25-Feb-14	N		PSEUDO PARALYSIS	1248	7	SL1	Waiting rRTPCR for VDPV screening
6	SHIKARPUR	SHIKARPUR	JAHANWAH	SD/52/14/008-C3		42	M	12-Mar-14	-	-	-			N	-		1062	12	P1	Discordant O
<b>Reported urgent (by field / NSC<math>\ddagger</math> criteria)</b>																				
7	PISHIN	PISHIN	SARANAN CAMP	BN/12/14/003	23-Mar-14	3	F	26-Mar-14	Y	0	1	1	24-Feb-14	N	Y	PARAPLEGIA	1276	8	UP	REFUSAL
8	WAZIR-N	MIRAN SHAH	DERPA KHEL	FT/64/14/058	18-Mar-14	13	F	25-Mar-14	Y	0	0	0		Y	Y	POLIOMYELITIS	1279	8	UP	
9	WAZIR-S	BIRMAL	AZAM WARSAK	FT/65/14/004	22-Mar-14	24	M	28-Mar-14	Y	0	0	0		Y	Y	HEMIPLEGIA/ENCEPHALOPATHY	1337	5	UP	
10	WAZIR-S	BIRMAL	AZAM WARSAK	FT/65/14/005	22-Mar-14	9	F	29-Mar-14	Y	0	0	0		Y	Y	GBS/POLIOMYELITIS	1339	5	UP	
11	MIANWALI	ISAKHEL	TABBI SIR 14	PB/43/14/007	21-Mar-14	18	F	26-Mar-14	Y	1	3	3	18-Mar-14	Y	N	TRAUMA	1275	8	UP	
12	SHIKARPUR	SHIKARPUR	JAHANWAH	SD/52/14/008	13-Feb-14	36	F	10-Mar-14	N	1	7+	6	10-Feb-14	N	N	MAYALGIA	1059		UP	NVI (Contact is L20B+)

\* 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

UPending for genomic sequencing





## Comparison environmental sampling results 2013-14\*

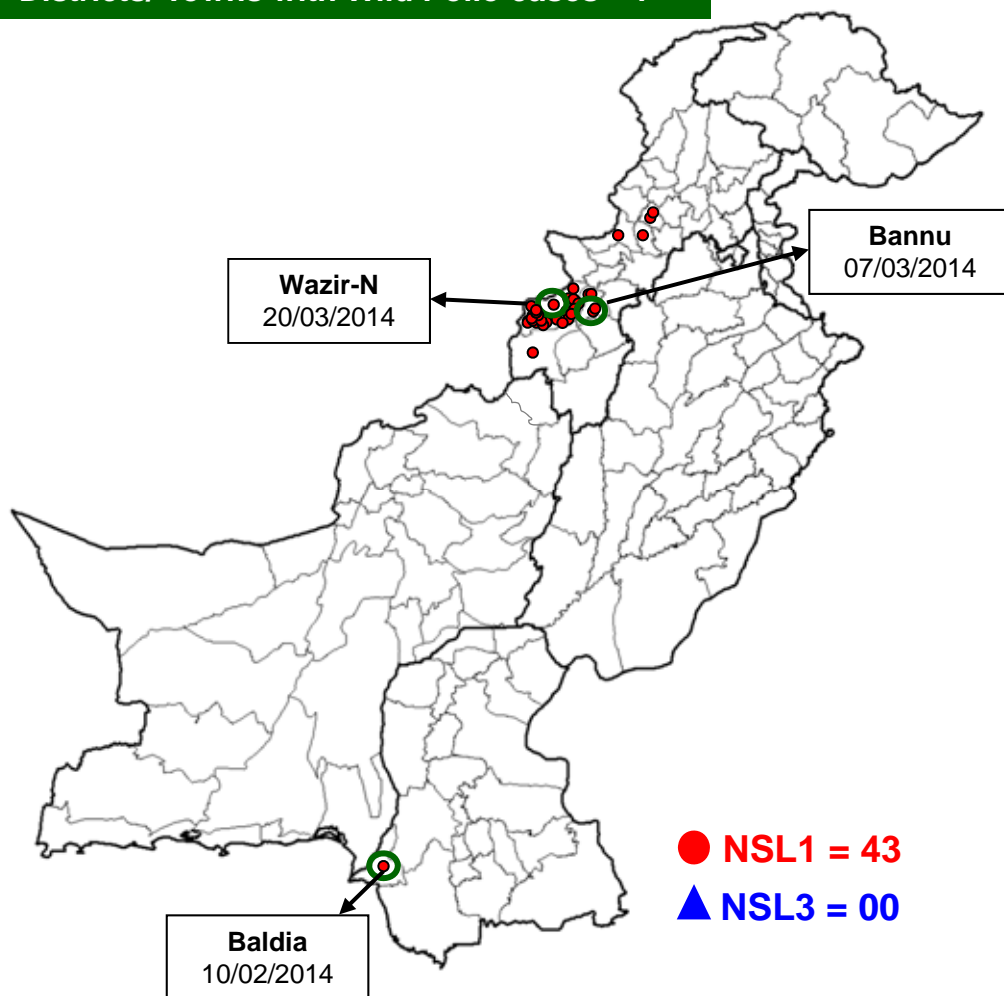
DISTRICT	2013			2014			Last
	TOTAL	WILD		TOTAL	WILD		
	n	n	%	n	n	%	
LAHORE	15	0	0%	15	0	0%	12-Dec-13
MULTAN	9	0	0%	9	0	0%	09-Dec-13
RAWALPINDI	3	1	33%	2	1	50%	28-Jan-14
FAISALABAD	9	1	11%	9	0	0%	03-Jan-13
KHIGIQBAL	6	0	0%	6	4	67%	06-Mar-14
KHIGADAP	7	1	14%	9	4	33%	11-Feb-14
KHIBALDIA	6	0	0%	6	3	33%	27-Jan-14
SUKKUR	6	0	0%	6	0	0%	05-Sep-12
HYDERABAD	3	3	100%	3	0	0%	12-Aug-13
PESHAWAR	6	6	100%	8	5	38%	24-Feb-14
QUETTA	8	1	13%	8	0	0%	28-Dec-13
<b>PAKISTAN</b>	<b>78</b>	<b>13</b>	<b>17%</b>	<b>81</b>	<b>17</b>	<b>16%</b>	<b>06-Mar-14</b>

\* Data as of 07-04-2014

Data source Polio RRL

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

Districts/ Towns with Wild Polio cases = 7



Province/ Country	Date of Last Case		Number of cases 2013	
	P1	P3	P1	P3
PUNJAB	-	Jun, 2010	-	-
SINDH	Feb, 2014	Jan, 2010	1	-
KHYBER- PAKHTUNKHWA	March, 2014	Oct, 2010	6	-
FATA	March, 2014	Apr, 2012	36	-
BALUCHISTAN	-	Apr, 2010	-	-
AJK	-	Jun, 2000	-	-
GILGIT-BALTISTAN	-	-	-	-
ISLAMABAD	-	Sep, 2008	-	-
<b>PAKISTAN</b>	<b>March, 2014</b>	<b>Apr, 2012</b>	<b>43</b>	<b>-</b>

● NSL1 = 43  
▲ NSL3 = 00

○ District with last polio case in province

Cases randomly placed in districts

— Provincial Boundary  
— Districts Boundary

\* Afp.rec Data as of 07-04-2014

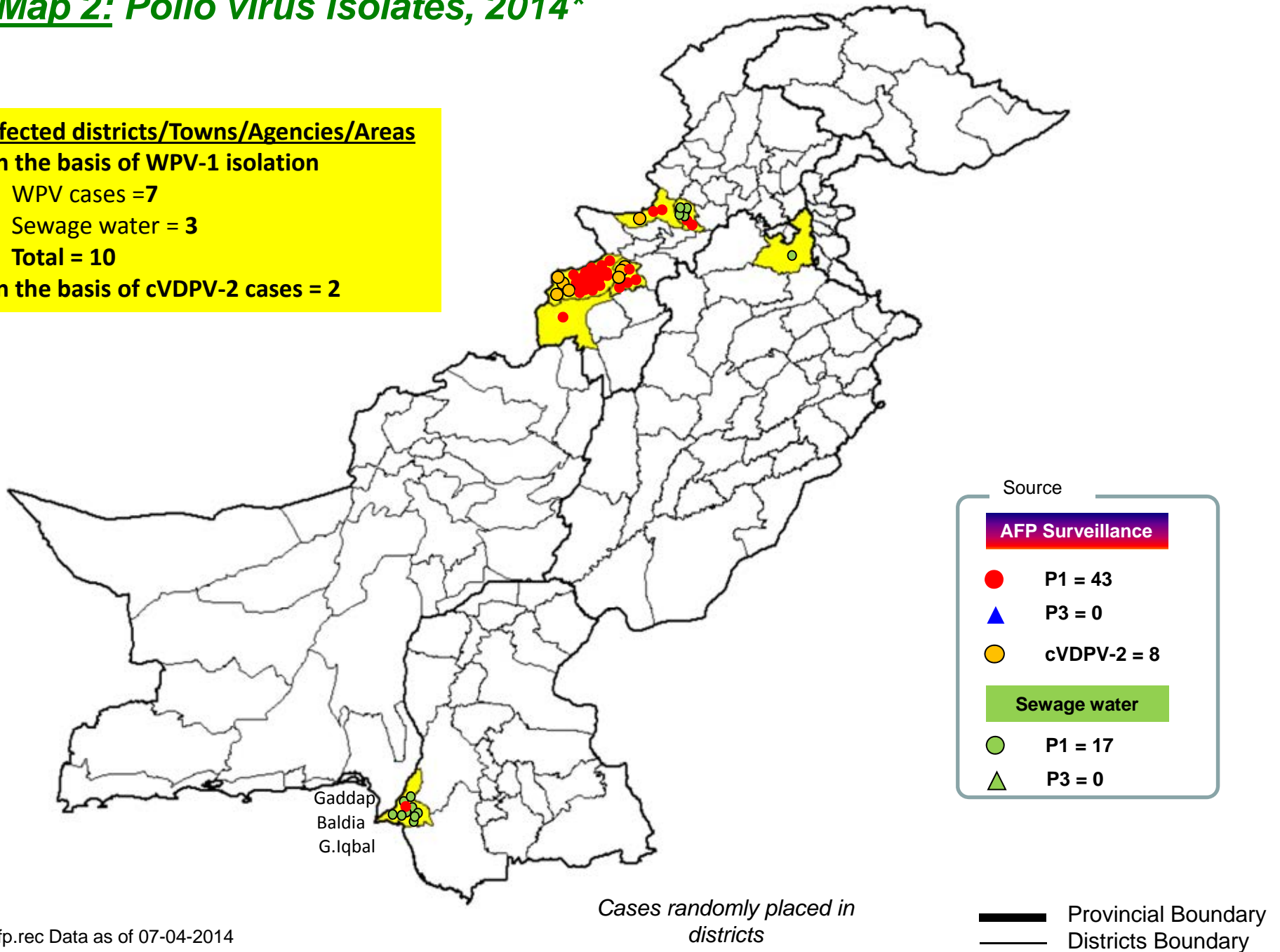
## Map 2: Polio virus isolates, 2014\*

### Infected districts/Towns/Agencies/Areas

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

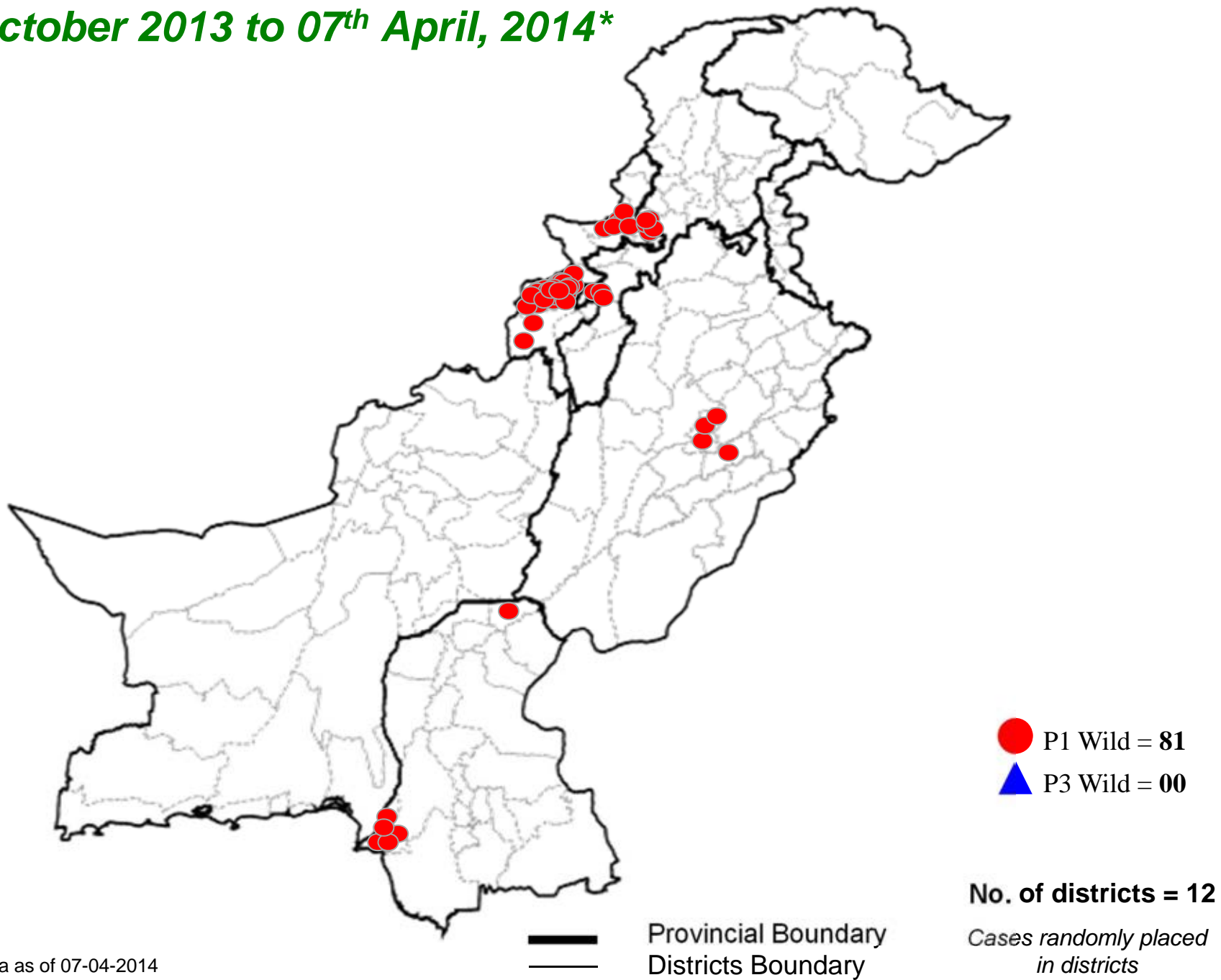
- WPV cases = 7
- Sewage water = 3
- Total = 10

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



\* Afp.rec Data as of 07-04-2014

**Map 3: Wild Polio cases in the last 6 months from 08<sup>th</sup> October 2013 to 07<sup>th</sup> April, 2014\***



\* Afp.rec Data as of 07-04-2014

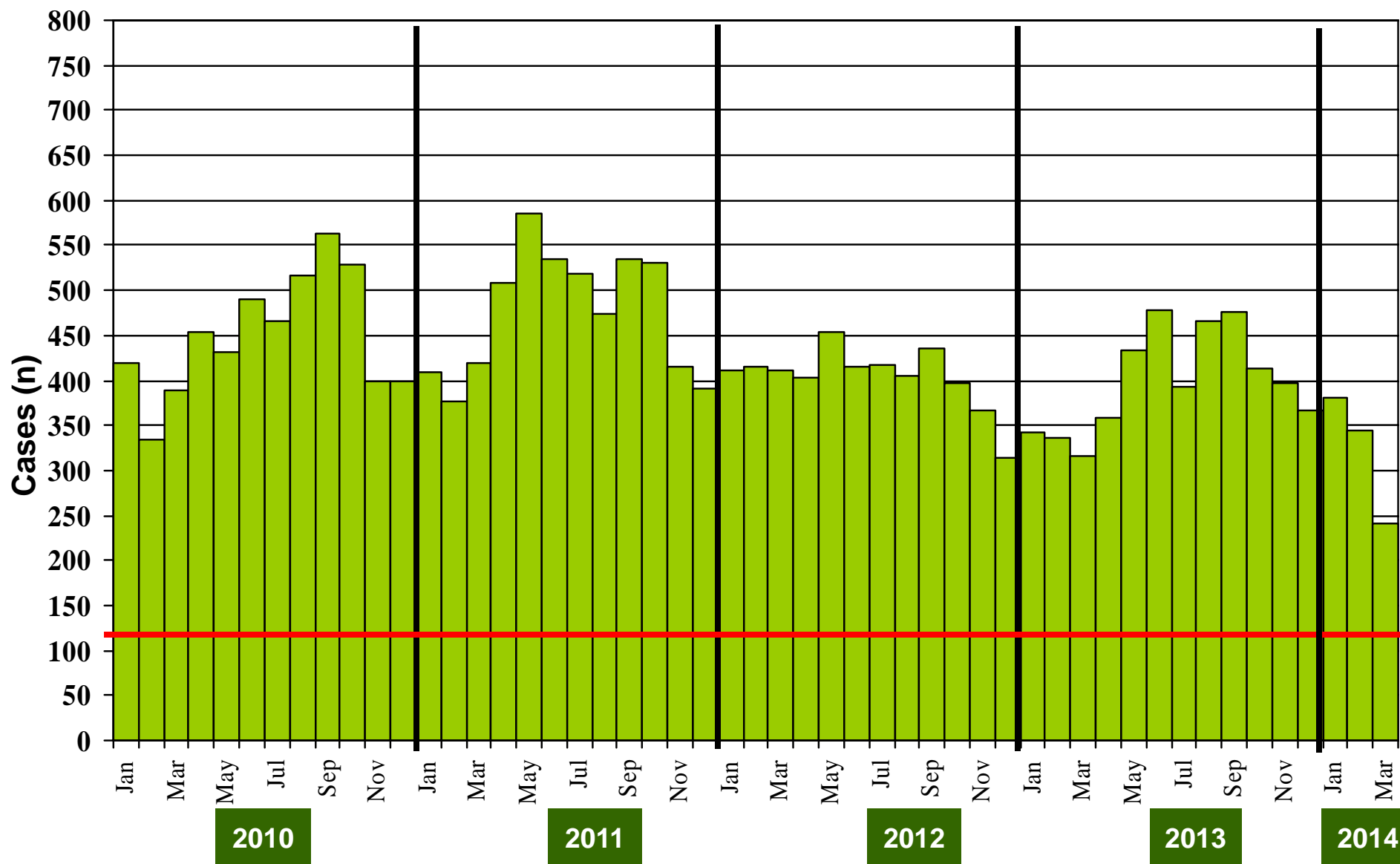
**Table 4: Distribution of AFP Cases By Week of Onset ^  
Pakistan 2013-14\* [Week number/Ending on]**

PROVINCE	W 51 21 Dec 2013	W 52 28 Dec 2013	W 01 04 Jan 2014	W 02 11 Jan 2014	W 03 18 Jan 2014	W 04 25 Jan 2014	W 05 01 Feb 2014	W 06 08 Feb 2014	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
PUNJAB	22	51	29	31	51	52	37	39	42	33	45	38	29	47	14
SINDH	13	17	9	19	16	19	8	20	23	17	19	21	17	21	10
KP	19	24	12	20	13	19	19	24	12	23	16	17	16	12	7
FATA	6	9	8	8	7	6	10	11	12	6	6	7	5	6	3
BALUCHISTAN	3	4	1	4	5	7	9	2	5	6	4	3	1	1	3
AJK	0	2	1	2	0	1	0	2	1	1	1	1	0	0	0
GILGIT BILTISTAN	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
ISLAMABAD	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0
<b>PAKISTAN</b>	<b>63</b>	<b>108</b>	<b>60</b>	<b>84</b>	<b>92</b>	<b>104</b>	<b>83</b>	<b>99</b>	<b>95</b>	<b>88</b>	<b>91</b>	<b>87</b>	<b>68</b>	<b>87</b>	<b>37</b>

\* Afp.rec & Afplab.rec: Data as of 07-04-2014

^ MMWR Epidemiological Weeks

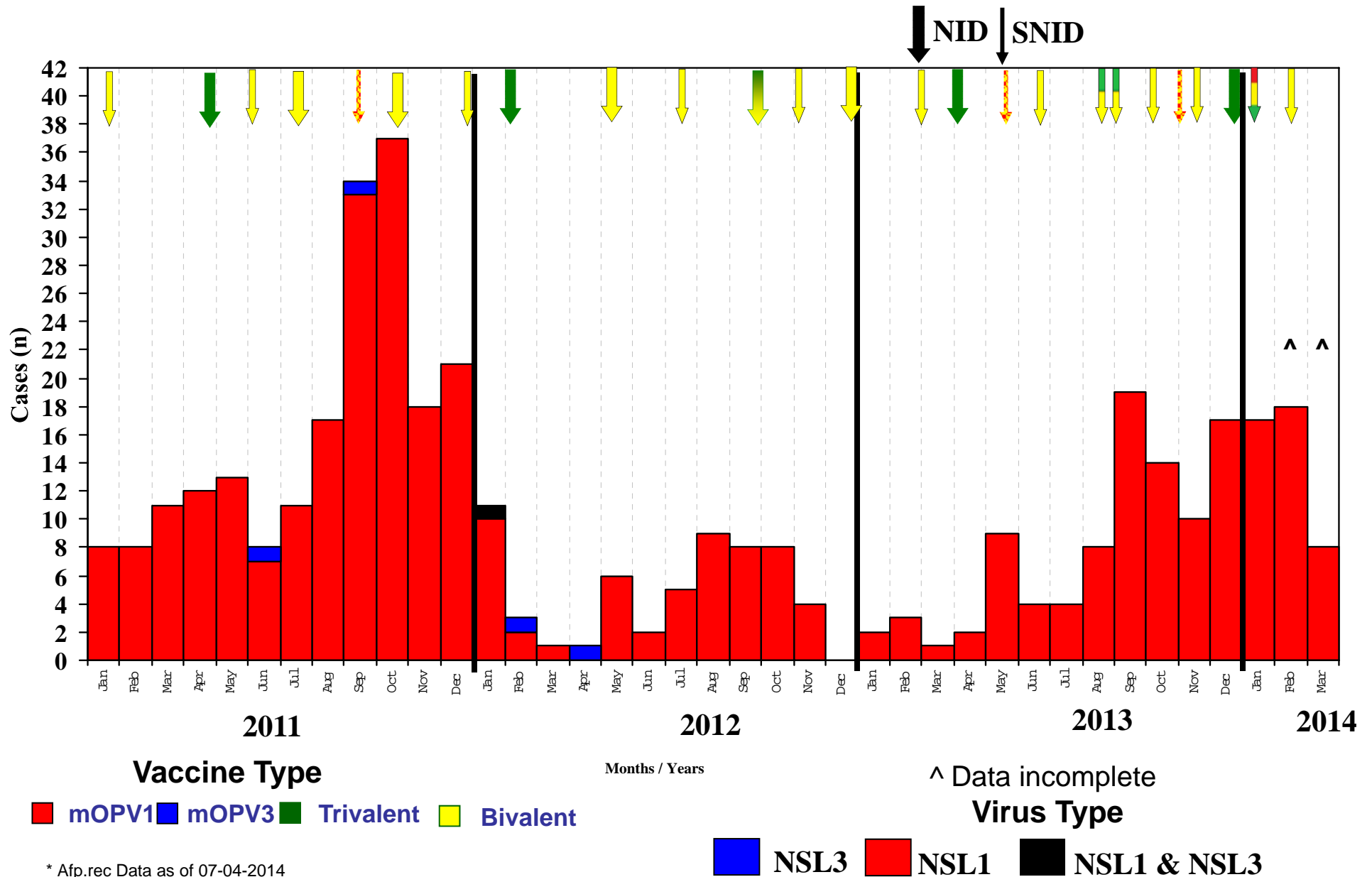
**Graph 1: Distribution of AFP Cases by Month, Pakistan 2010-2014\***



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

\* Afp.rec Data as of 07-04-2014

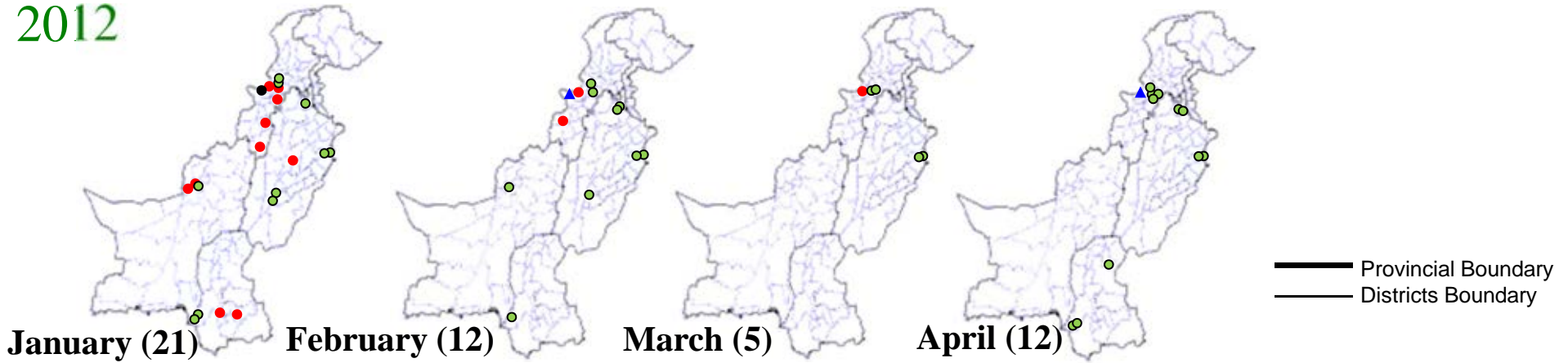
# Confirmed Polio Cases By Poliovirus Type, 2011-2014\*



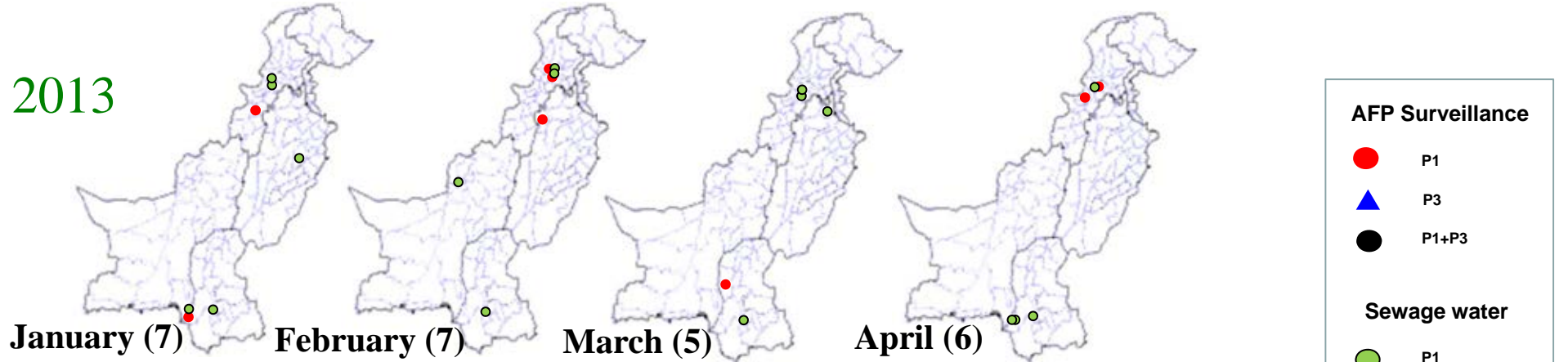
\* Afp.rec Data as of 07-04-2014

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

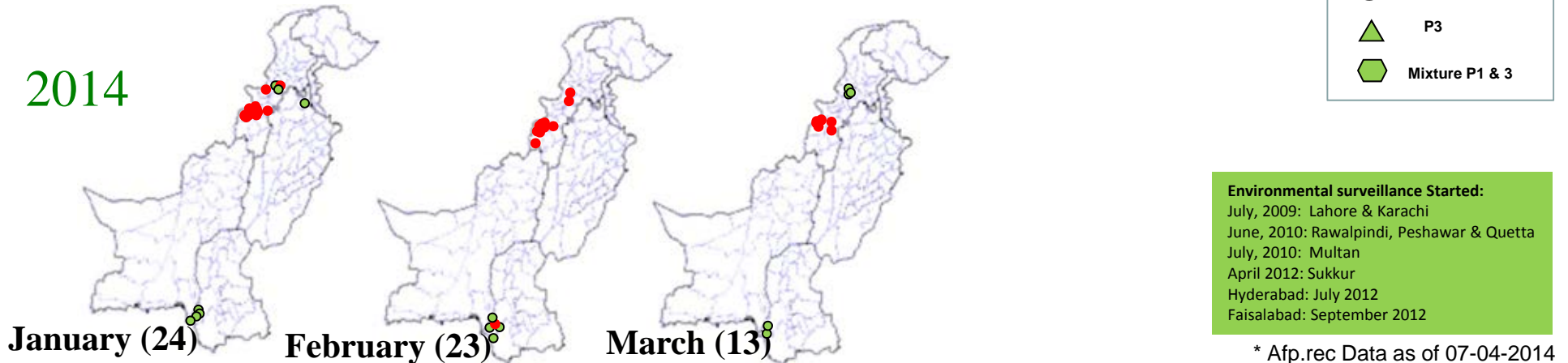
2012



2013



2014



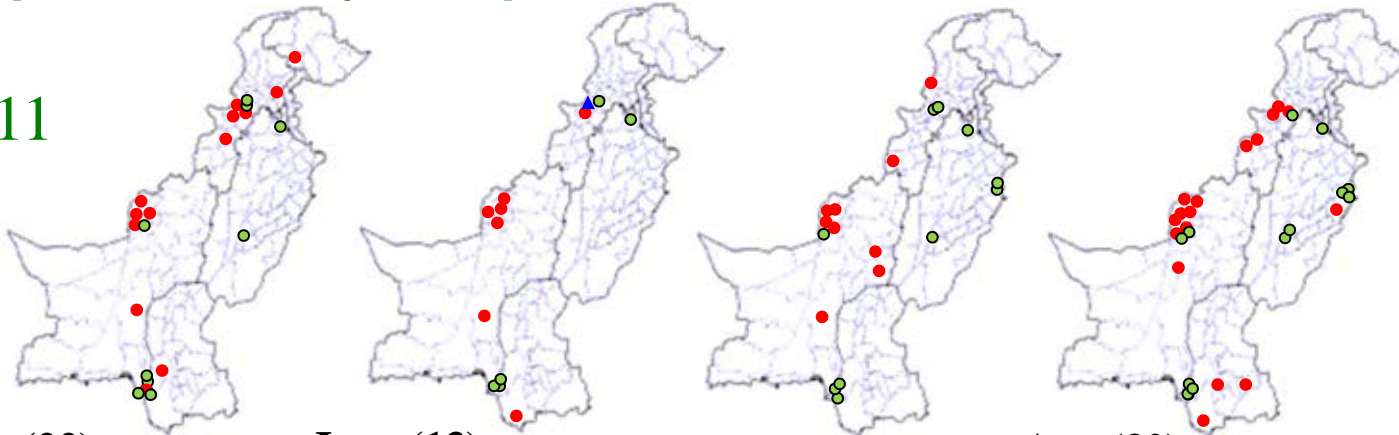
**Environmental surveillance Started:**  
 July, 2009: Lahore & Karachi  
 June, 2010: Rawalpindi, Peshawar & Quetta  
 July, 2010: Multan  
 April 2012: Sukkur  
 Hyderabad: July 2012  
 Faisalabad: September 2012

\* Afp.rec Data as of 07-04-2014



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

2011



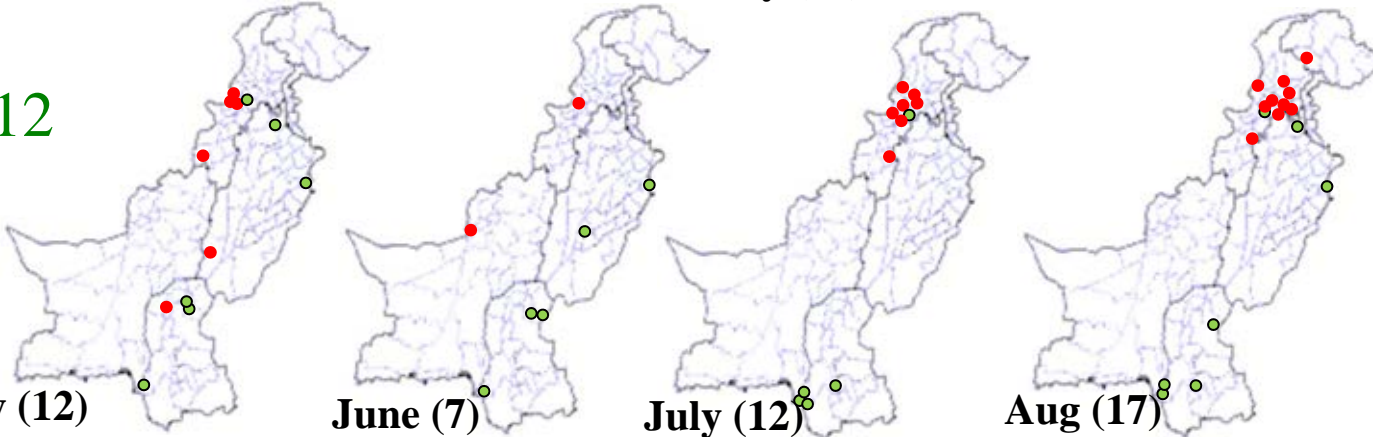
May (22)

June (13)

July (19)

Aug (30)

2012



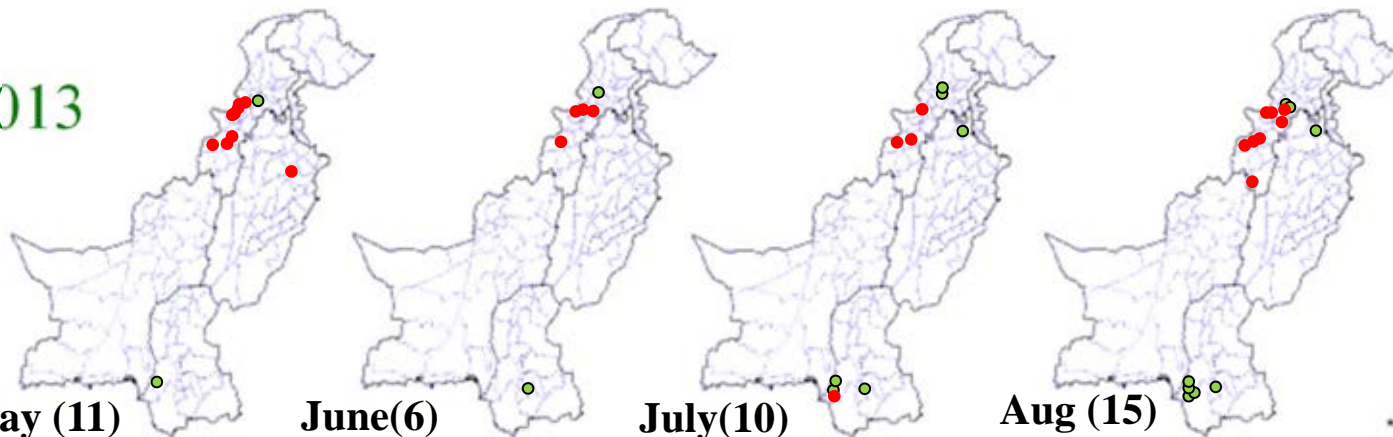
May (12)

June (7)

July (12)

Aug (17)

2013



May (11)

June(6)

July(10)

Aug (15)

## AFP Surveillance

- P1
- ▲ P3
- Mixture P1 & 3

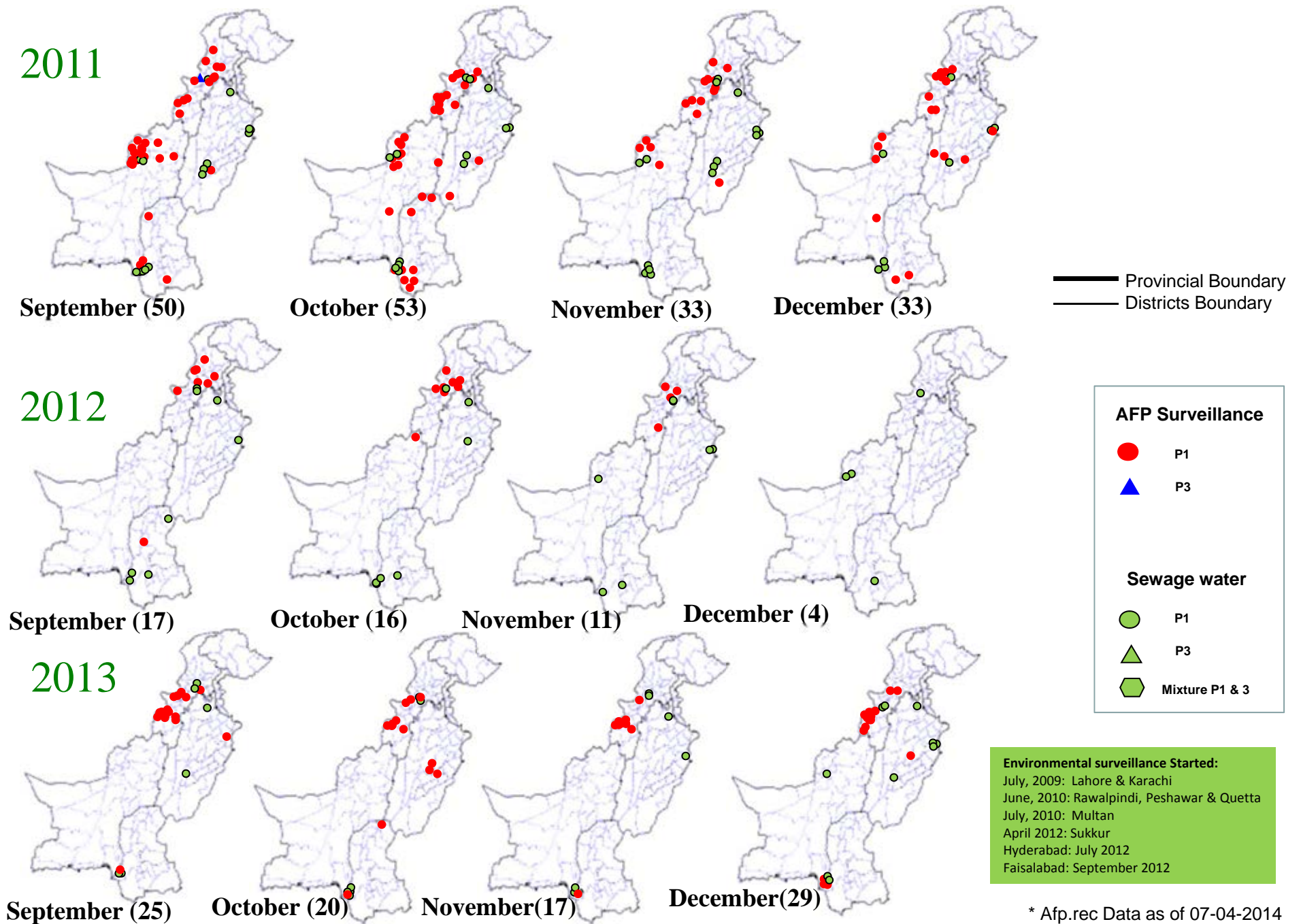
## Sewage water

- 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 07-04-2014

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

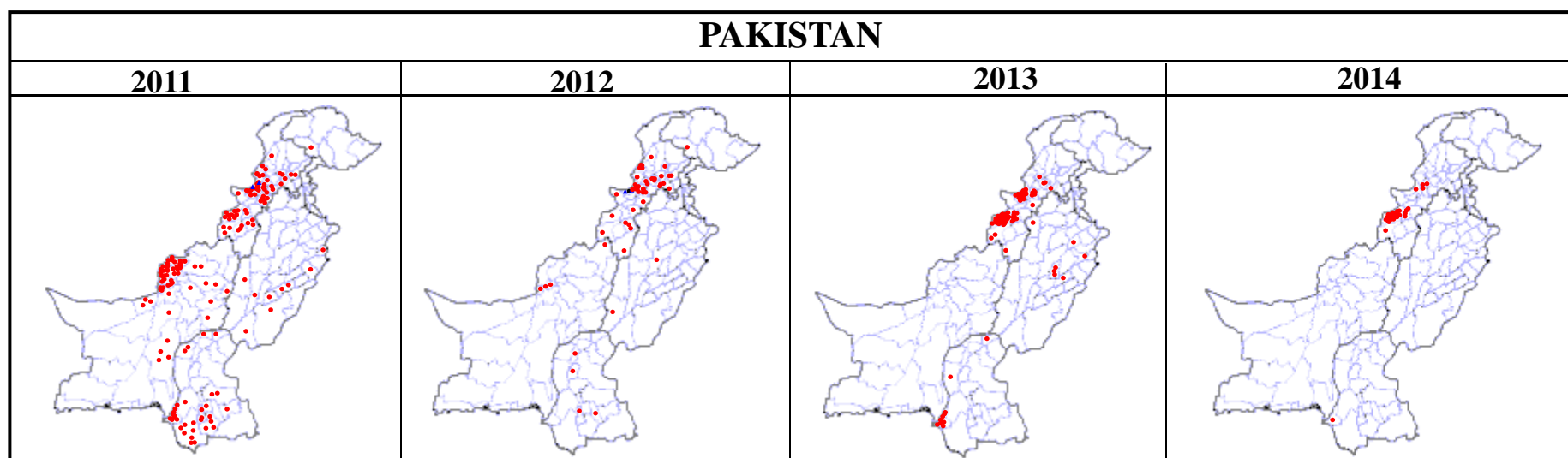


\* Afp.rec Data as of 07-04-2014

## 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	1	0	-	-	-	33	4	10	1
KP	23	27	11	6	0	-	-	-	23	27	11	6
FATA^	57	17	65	36	2	2	-	-	59	20^	65	36
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>43</b>	<b>2</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>198</b>	<b>58</b>	<b>93</b>	<b>43</b>

^ FATA reported mixture of NSL1 & NSL3



\* Afp.rec Data as of 07-04-2014

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

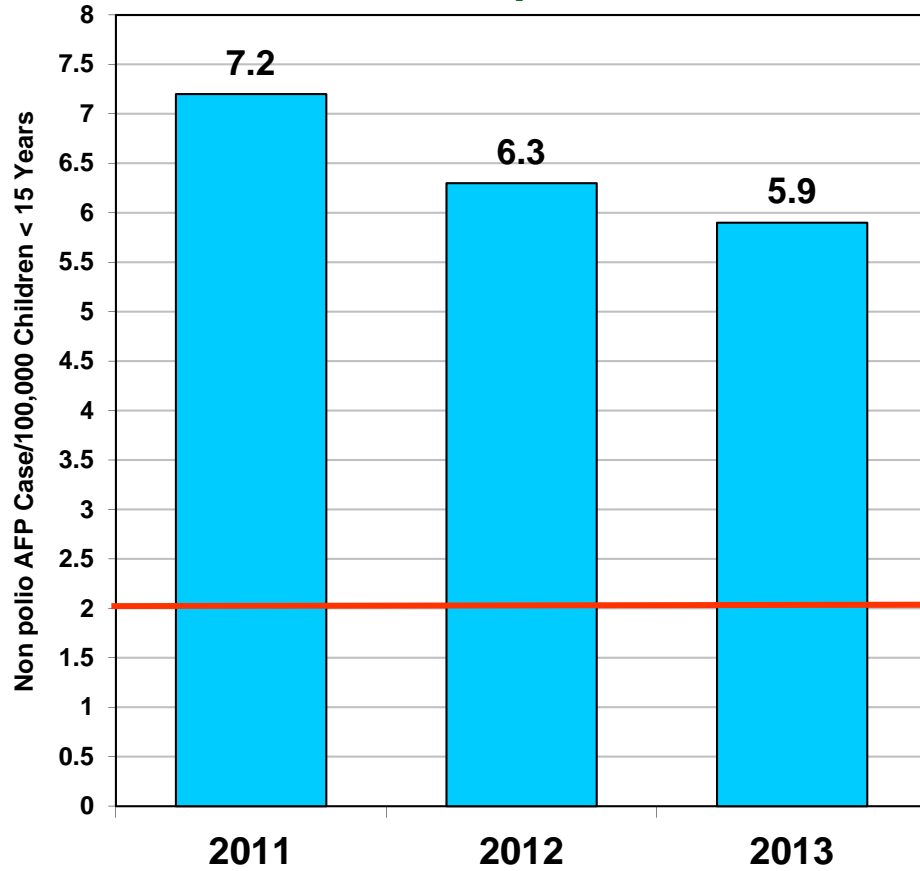
REGION	0 dose				1-2 doses				3 doses				4-6 doses				7+ doses			
	11	12	13	14	11	12	13	14	11	12	13	14	11	12	13	14	11	12	13	14
Central Punjab	0%	0%	0%	1%	1%	0%	0%	0%	2%	0%	1%	4%	6%	4%	7%	4%	92%	95%	91%	92%
North Punjab	0%	0%	0%	0%	1%	0%	0%	0%	1%	0%	0%	3%	5%	4%	4%	3%	93%	96%	96%	94%
South Punjab	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	5%	4%	5%	2%	93%	96%	94%	98%
<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>2%</b>	<b>5%</b>	<b>4%</b>	<b>6%</b>	<b>3%</b>	<b>93%</b>	<b>96%</b>	<b>93%</b>	<b>95%</b>
Karachi	4%	1%	1%	8%	1%	1%	5%	0%	0%	2%	0%	13%	6%	6%	6%	0%	88%	90%	88%	79%
North Sindh	0%	0%	0%	0%	1%	0%	0%	0%	0%	1%	0%	0%	5%	4%	5%	9%	94%	94%	95%	91%
South Sindh	1%	0%	0%	0%	1%	1%	0%	0%	0%	2%	1%	0%	6%	4%	7%	5%	93%	93%	91%	95%
<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>0%</b>	<b>0%</b>	<b>1%</b>	<b>0%</b>	<b>2%</b>	<b>6%</b>	<b>4%</b>	<b>6%</b>	<b>6%</b>	<b>92%</b>	<b>93%</b>	<b>92%</b>	<b>90%</b>
Central Khyber Pakhtunkhwa	1%	2%	2%	0%	1%	1%	1%	0%	0%	0%	1%	2%	3%	2%	2%	5%	95%	95%	95%	93%
North Khyber Pakhtunkhwa	1%	2%	1%	3%	2%	2%	1%	0%	1%	2%	1%	0%	7%	9%	7%	6%	90%	85%	91%	92%
South Khyber Pakhtunkhwa	2%	2%	1%	4%	4%	1%	0%	4%	4%	1%	1%	0%	7%	9%	4%	0%	83%	87%	95%	91%
<b>Khyber Pakhtunkhwa</b>	<b>1%</b>	<b>2%</b>	<b>1%</b>	<b>2%</b>	<b>2%</b>	<b>1%</b>	<b>0%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>	<b>5%</b>	<b>6%</b>	<b>4%</b>	<b>4%</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>71%</b>	<b>10%</b>	<b>6%</b>	<b>6%</b>	<b>6%</b>	<b>5%</b>	<b>3%</b>	<b>6%</b>	<b>0%</b>	<b>11%</b>	<b>12%</b>	<b>6%</b>	<b>0%</b>	<b>61%</b>	<b>62%</b>	<b>43%</b>	<b>24%</b>
North Balochistan	4%	12%	9%	0%	12%	10%	11%	10%	23%	3%	3%	0%	12%	17%	28%	0%	50%	57%	49%	90%
Quetta Block	31%	14%	8%	0%	10%	10%	8%	17%	3%	0%	0%	0%	14%	14%	21%	0%	43%	62%	64%	83%
Rest of Balochistan	7%	9%	5%	0%	2%	6%	3%	0%	5%	5%	5%	15%	10%	10%	25%	8%	76%	70%	60%	77%
<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>3%</b>	<b>6%</b>	<b>3%</b>	<b>4%</b>	<b>7%</b>	<b>12%</b>	<b>17%</b>	<b>20%</b>	<b>3%</b>	<b>60%</b>	<b>64%</b>	<b>64%</b>	<b>87%</b>
<b>PAKISTAN</b>	<b>2%</b>	<b>1%</b>	<b>3%</b>	<b>5%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>	<b>2%</b>	<b>6%</b>	<b>5%</b>	<b>6%</b>	<b>4%</b>	<b>89%</b>	<b>92%</b>	<b>89%</b>	<b>88%</b>

\* Afp.rec Data as of 07-04-2014

# Key Surveillance Indicators; 2011-2013\*

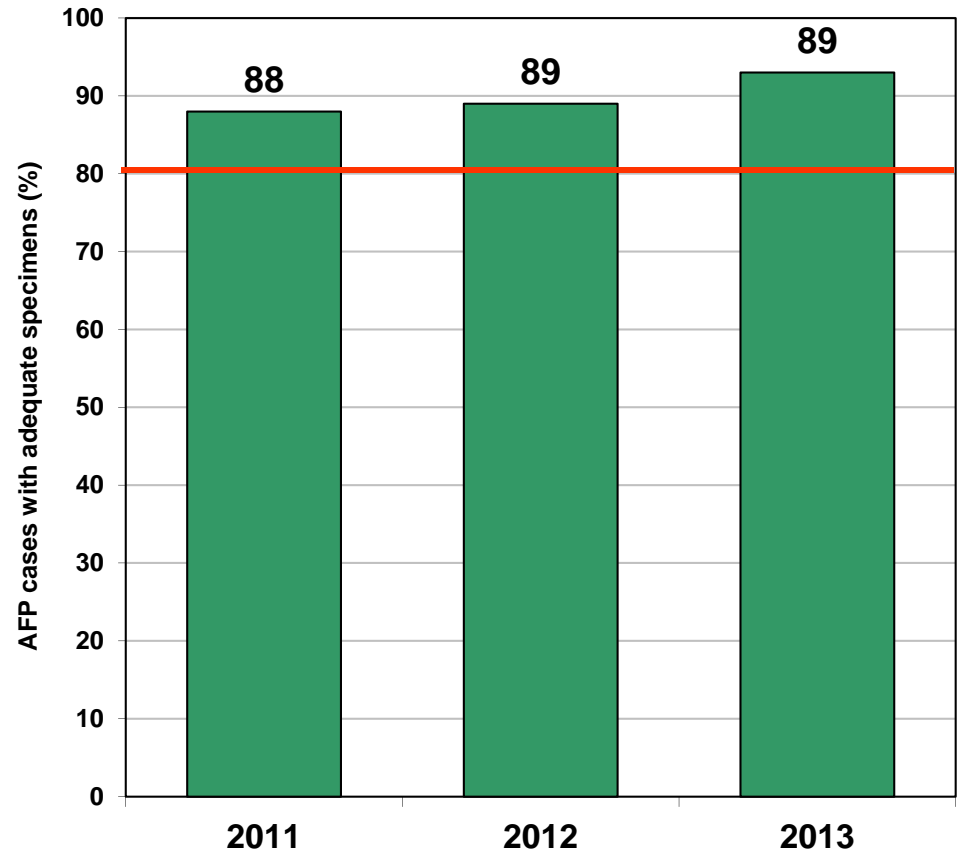
(Non polio AFP rate and % AFP cases with adequate specimens)

**Graph 3**



■ Non Polio AFP Rate

**Graph 4**



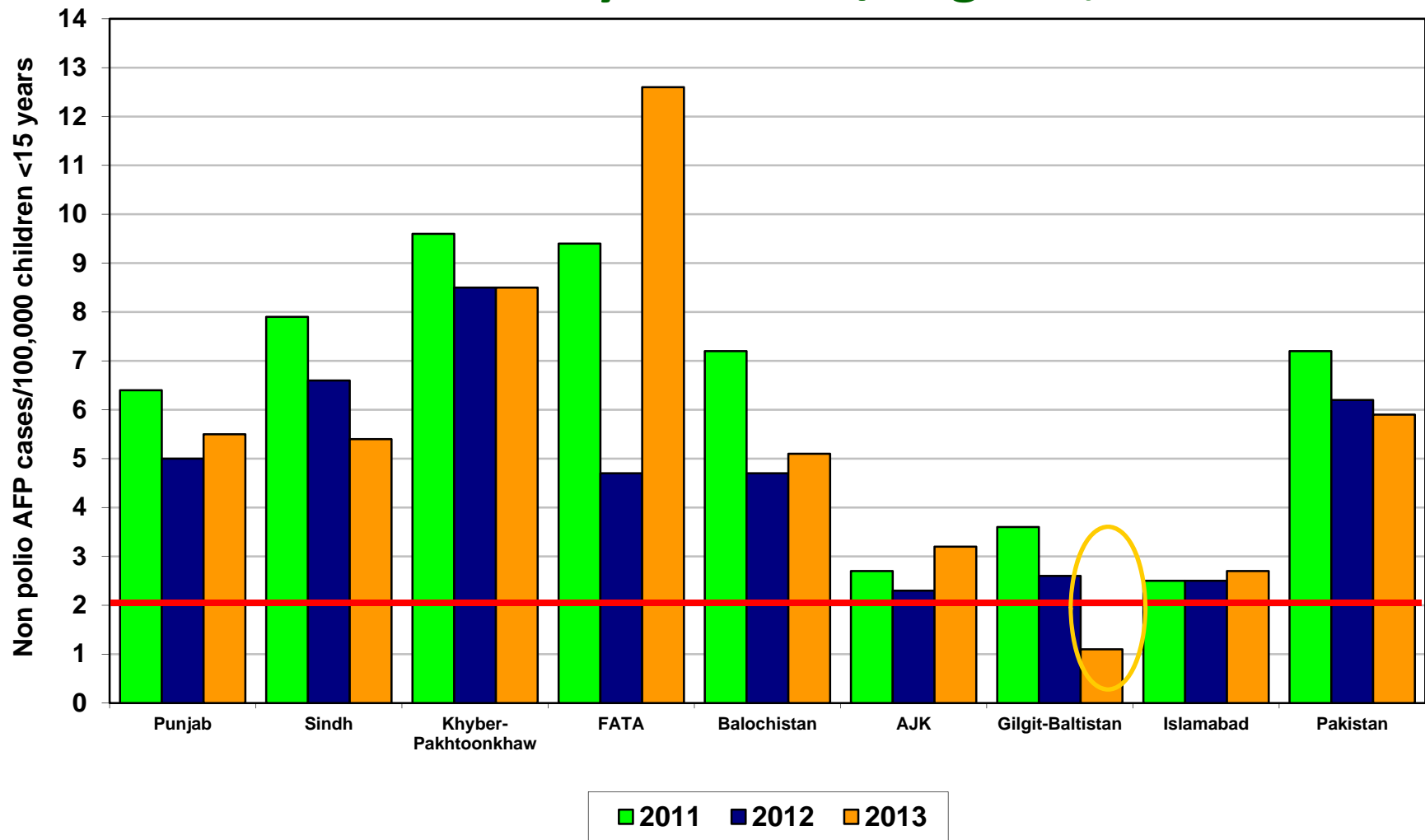
■ % AFP with Adequate Specimens

— Target

Non Polio AFP rate Up to Week No. 52 ended on 28<sup>th</sup> December, 2013

\* Afp.rec Data as of 07-04-2014

# Non Polio AFP Rate By Province/Regions, 2011-2013\*

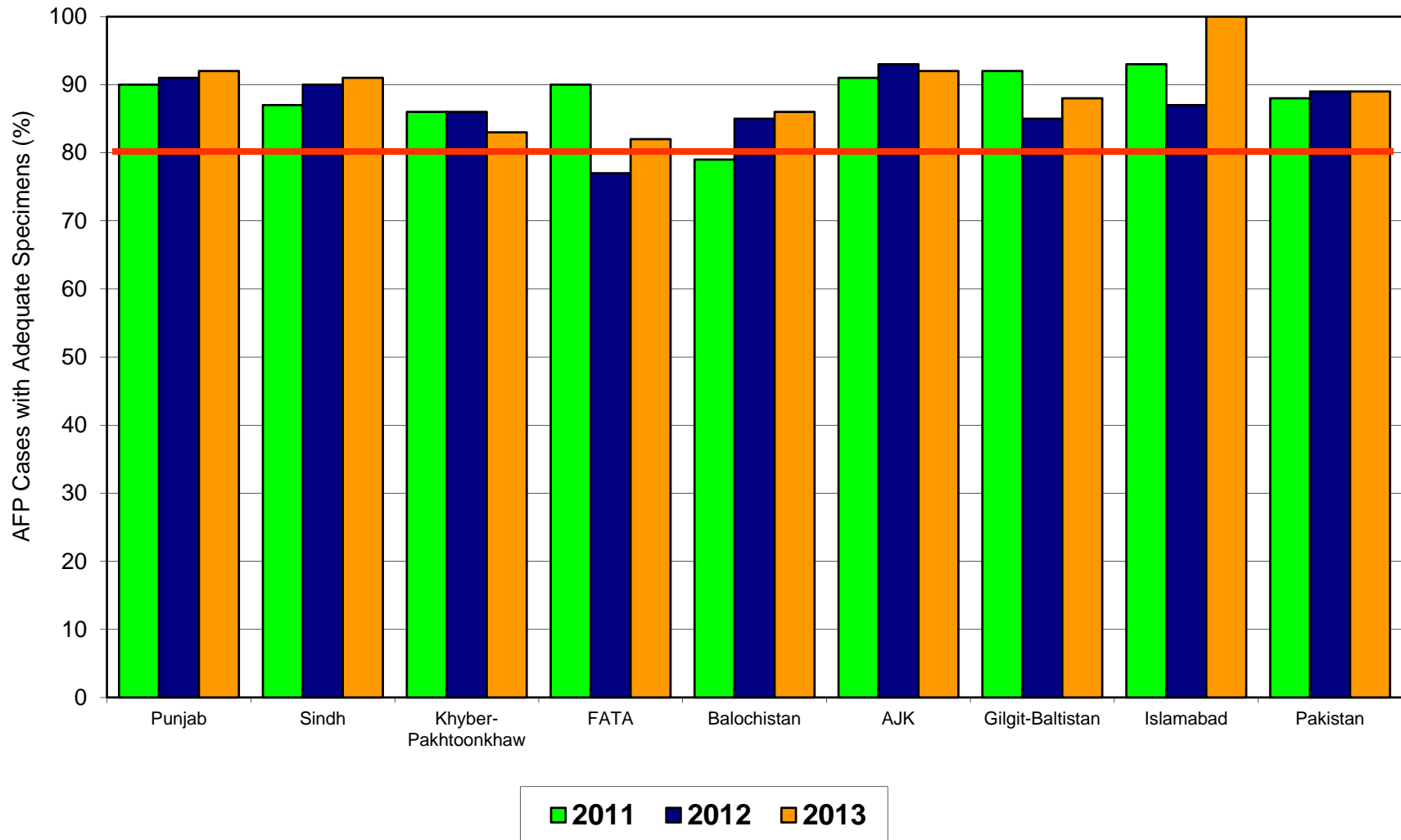


Non Polio AFP rate Up to Week No. 52 ended on 28<sup>th</sup> December, 2013

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

\* Afp.rec Data as of 07-04-2014

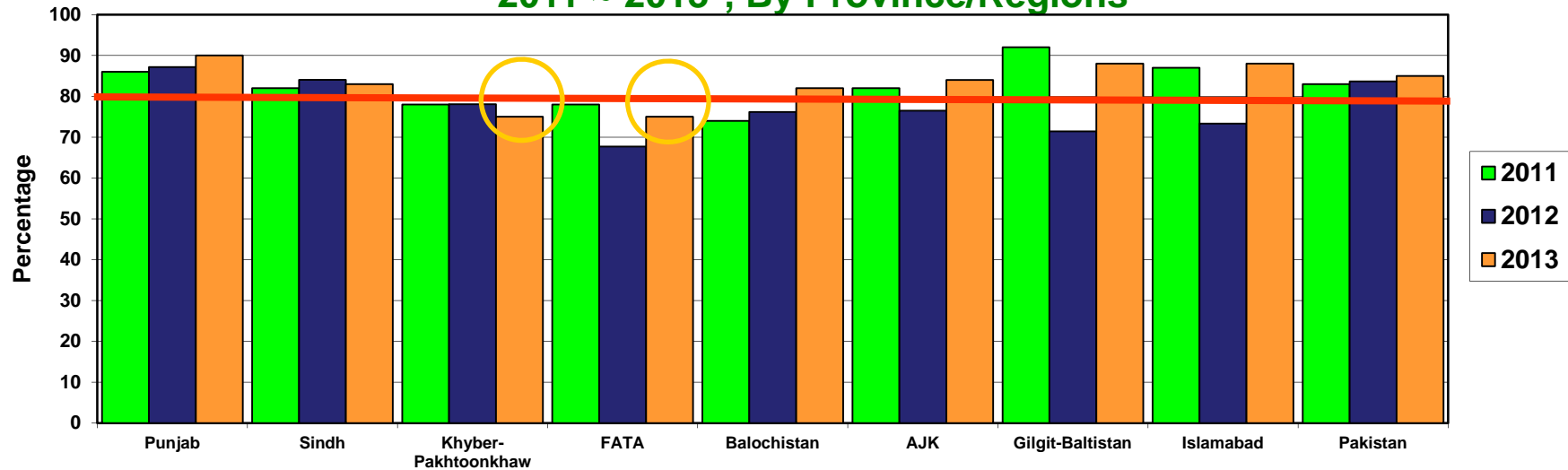
# Percent AFP Cases with Adequate Specimens By Province/Regions, 2011-2013\*



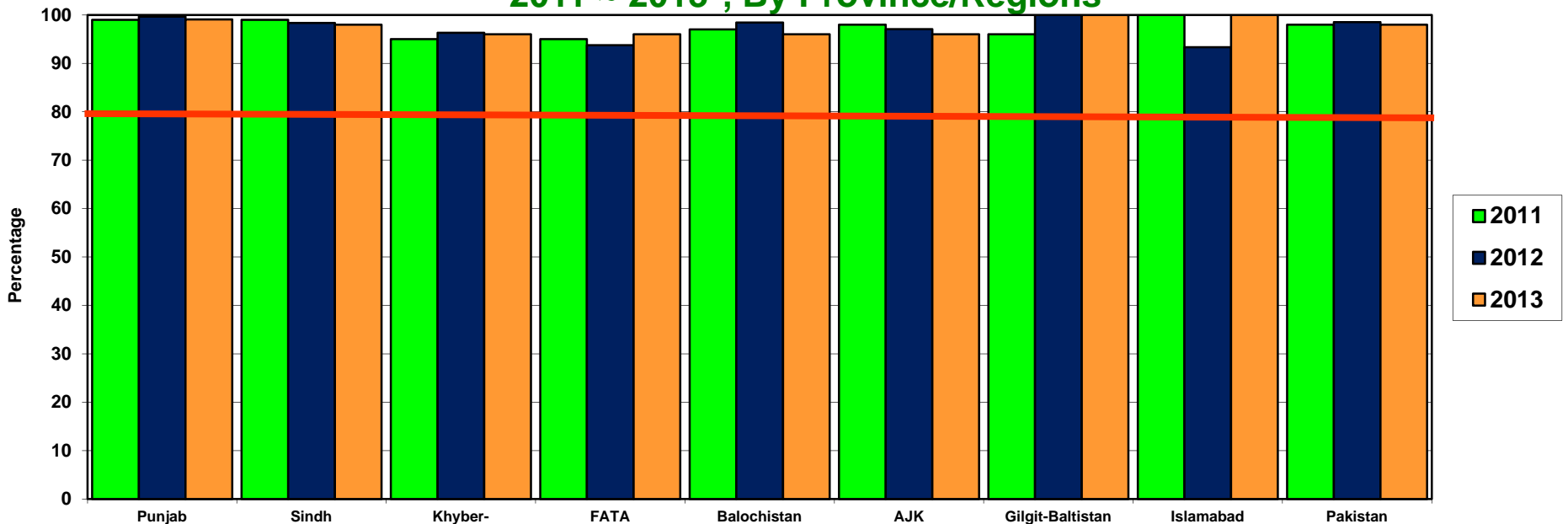
\* Afp.rec Data as of 07-04-2014

Target Adequate Sample cases = 80%

**Graph 5: Percent AFP Cases Notified within 07 days of paralysis onset  
2011 ~ 2013\*, By Province/Regions**



**Graph 6: Percent AFP Cases Investigated within 48 hours of notification  
2011 ~ 2013\*, By Province/Regions**

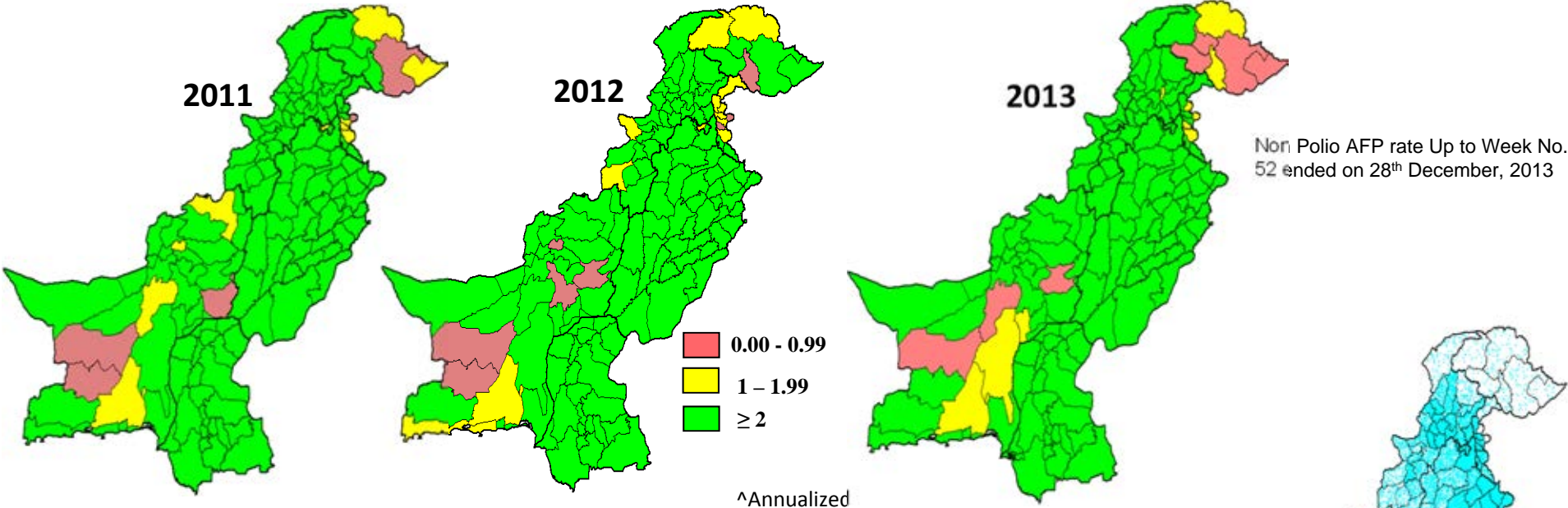


\* Afp.rec Data as of 07-04-2014

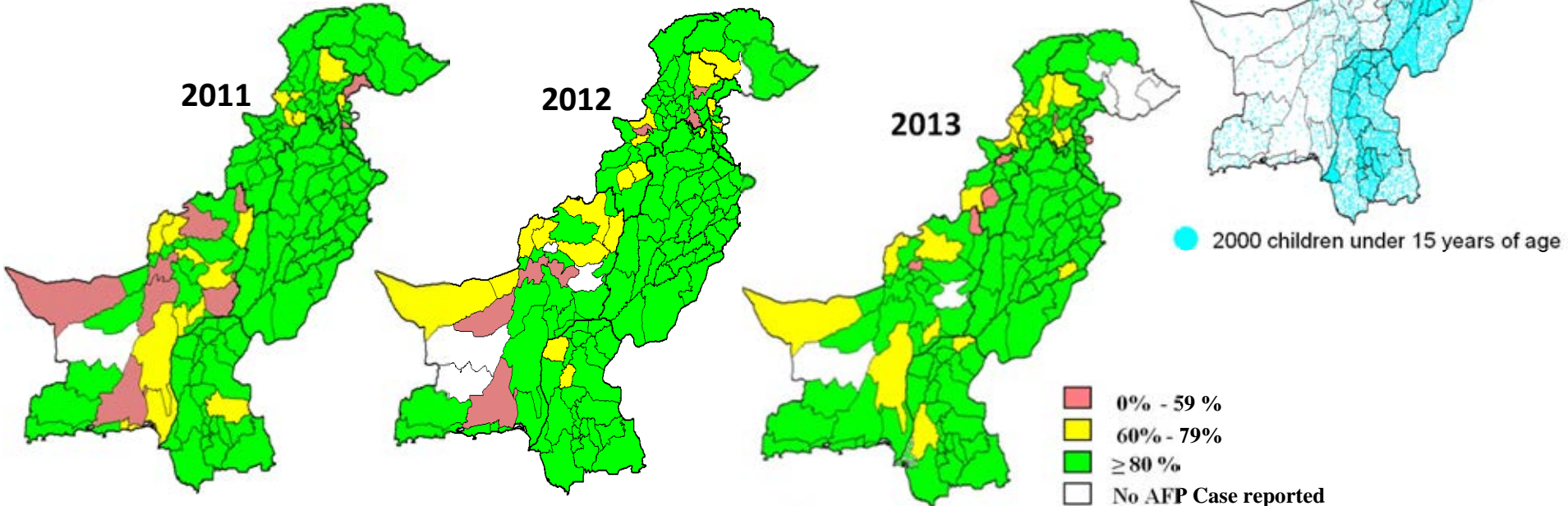
— Target



### Non-Polio^ AFP Rate by District



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



\* Afp.rec Data as of 07-04-2014

**Table 7: AFP CASES PENDING FOR CLASSIFICATION WITH DATE OF ONSET MORE THAN 90 DAYS\* 2013 (1/4)**

S. No	DISTRICT	TEHSIL	EPID	SEX	AGE	DONSET	DOSE€	DSTOOL1	DSTOOL2	LAB	FEVER	ASYM	PROG	FUP	PEND (DAYS)
1	KARAK	KARAK	KP/51/13/005	F	13	1/1/2013	7+	2/15/2013	2/17/2013	EV	N	Y	Y	Y	457
2	DGKHAN	DGKHAN	PB/81/13/123	F	36	12/28/2013	7+	2/26/2014	2/27/2014	EV	Y	Y	Y		96
3	FAISALABAD	JARANWALA	PB/51/13/106	M	24	12/24/2013	7+	2/10/2014	2/12/2014	NVI	Y	Y	Y	Y	100
4	HYDERABAD	HYDERABAD RURAL	SD/21/13/033	F	43	10/17/2013	7+	12/10/2013	12/11/2013	NVI	N	Y	Y	Y	168
5	JACOBABAD	THUL	SD/53/13/017	M	10	6/26/2013	7+	7/26/2013	7/27/2013	EV	Y	Y	Y	Y	281
6	JAMSHORO	SEHWAN	SD/25/13/020	F	12	11/2/2013	7+	11/20/2013	11/21/2013	NVI	Y	Y	Y	Y	152
7	KASHMORE	KANDHKOT	SD/54/13/002	M	54	5/27/2013	7+	Child Died Before Stool Collection			N	N	Y	LOST	311
8	KHIBALDIA	BALDIA	SD/61/13/005	F	36	6/18/2013	4				N	N	Y	DIED	289
9	KHIBALDIA	BALDIA	SD/61/13/010	M	16	10/10/2013	7+	10/24/2013	10/26/2013	EV	Y	Y	Y	Y	175
10	KHIBINQASIM	BINQASIM	SD/62/13/012	M	96	9/19/2013	7+	11/17/2013	11/18/2013	NVI	Y	N	Y	Y	196
11	KHIGADAP	GADAP	SD/63/13/010	F	42	6/2/2013	7+	Child Died Before Stool Collection			Y	N	Y	DIED	305
12	KHIGADAP	GADAP	SD/63/13/021	F	10	8/23/2013	1				9/23/2013	9/24/2013	NVI	Y	Y
13	KHIGADAP	GADAP	SD/63/13/031	M	14	7/15/2013	7+	Child Died Before Stool Collection			Y	Y	Y	Y	262
14	KHIGADAP	GADAP	SD/63/13/034	F	48	11/18/2013	7+				Y	N	Y	Y	136
15	KHIJAMSHEED	JAMSHEED	SD/66/13/004	F	60	5/1/2013	7+				Y	N	Y	DIED	337
16	KHISADDAR	SADDAR	SD/77/13/004	F	38	4/5/2013	7+	5/10/2013	5/11/2013	NVI	N	N	Y	Y	363
17	NFEROZ	BHIRIA	SD/45/13/003	F	144	2/5/2013	7+	Late Notified			Y	Y	Y	DIED	422
18	NFEROZ	MORO	SD/45/13/013	F	54	5/10/2013	7+				6/1/2013	6/2/2013	NVI	N	Y
19	SANGHAR	KHIPRO	SD/32/13/024	F	60	9/15/2013	7+	10/1/2013	10/2/2013	NVI	Y	Y	Y	Y	200
20	ABOTABAD	HAVALIAN	KP/10/13/027	F	72	8/18/2013	7+	Late Notified			N	Y	Y	Y	228
21	BANNU	BANNU	KP/61/13/010	M	53	4/30/2013	7+				Y	N	N	Y	338
22	DIRLOWER	SAMAR BAGH	KP/23/13/015	F	13	1/30/2013	7+				Y	Y	Y	Y	428
23	DIRLOWER	SAMAR BAGH	KP/23/13/033	F	96	7/25/2013	7+	9/5/2013	9/7/2013	NVI	Y	Y	Y	Y	252
24	DIRLOWER	TIMERGARA	KP/23/13/034	M	30	8/8/2013	7+	9/16/2013	9/17/2013	NVI	Y	Y	Y	Y	238
25	DIRLOWER	TIMERGARA	KP/23/13/038	M	1	10/10/2013	1	11/15/2013	11/16/2013	NVI	Y	Y	Y	Y	175
26	DIRUPPER	DIR	KP/25/13/015	F	48	12/24/2013	7+	2/15/2014	2/16/2014	NVI	Y	N	Y		100
27	HANGU	HANGU	KP/54/13/016	M	48	12/6/2013	7+	Late Notified			Y	N	Y		118
28	HANGU	HANGU	KP/54/13/014	F	8	10/28/2013	7+				11/26/2013	11/28/2013	NVI	Y	N
29	HARIPUR	HARIPUR	KP/12/13/024	F	48	10/6/2013	7+	10/29/2013	10/30/2013	NVI	Y	N	Y	Y	179
30	KARAK	TAKHT E NASRATI	KP/51/13/017	M	21	9/9/2013	7+	9/24/2013	9/26/2013	NVI	Y	Y	Y	Y	206
31	LAKKIMRWT	LAKKIMRWT	KP/62/13/057	F	14	11/28/2013	7+	1/8/2014	1/9/2014	EV	Y	Y	N	Y	126
32	MANSEHRA	MANSEHRA	KP/14/13/005	M	168	3/17/2013	7+	Child Died Before Stool Collection			N	N	Y	DIED	382
33	MANSEHRA	MANSEHRA	KP/14/13/019	F	24	7/13/2013	7+				UK	UK	Y	DIED	264
34	MANSEHRA	OGHI	KP/14/13/038	M	26	11/8/2013	7+	11/28/2013	12/2/2013	NVI	Y	Y	N		146
35	MANSEHRA	MANSEHRA	KP/14/13/026	M	84	8/31/2013	7+	9/16/2013	9/17/2013	NVI	Y	N	Y	DIED	215
36	MARDAN	MARDAN	KP/40/13/059	F	24	7/25/2013	7+	8/21/2013	8/22/2013	NVI	Y	Y	Y	Y	252
37	MARDAN	MARDAN	KP/40/13/046	F	24	6/15/2013	7+	7/5/2013	7/6/2013	EV	Y	Y	Y	Y	292
38	MARDAN	MARDAN	KP/40/13/077	F	32	9/2/2013	7+	9/24/2013	9/25/2013	NVI	Y	Y	Y	Y	213
39	NOWSHERA	NOWSHERA	KP/32/13/012	F	108	3/15/2013	7+	Child Died Before Stool Collection			Y	N	Y	DIED	384
40	PESHAWAR	PESHAWAR	KP/30/13/026	M	24	4/17/2013	0				5/17/2013	5/19/2013	EV	Y	Y
41	PESHAWAR	PESHAWAR	KP/30/13/039	F	54	5/3/2013	7+	6/14/2013	6/15/2013	EV	Y	Y	Y	Y	335
42	PESHAWAR	PESHAWAR	KP/30/13/063	M	14	8/16/2013	7+	8/30/2013	9/1/2013	VACC	Y	N	Y	LOST	230
43	PESHAWAR	PESHAWAR	KP/30/13/076	F	24	8/28/2013	7+	10/2/2013	10/10/2013	NVI	Y	N	UK	Y	218
44	PESHAWAR	PESHAWAR	KP/30/13/097	F	9	10/2/2013	0	11/19/2013	11/20/2013	EV	Y	Y	Y	Y	183

€ Based on recall of parents

\* Afp.rec Data as of 07-04-2014

60 days Follow-up not done

FUP = Residual Weakness at 60 days follow up.

**Table 7.1: AFP CASES PENDING FOR CLASSIFICATION WITH DATE OF ONSET MORE THAN 90 DAYS\* 2013 (2/4)**

S. No	DISTRICT	TEHSIL	EPID	SEX	AGE	DONSET	DOSE€	DSTOOL1	DSTOOL2	LAB	FEVER	ASYM	PROG	FUP	PEND (DAYS)
45	PESHAWAR	PESHAWAR	KP/30/13/094	F	96	10/11/2013	7+	11/17/2013	11/19/2013	NVI	Y	Y	Y	Y	174
46	PESHAWAR	PESHAWAR	KP/30/13/059	M	86	6/13/2013	7+	Late Notified			Y	Y	Y	Y	294
47	PESHAWAR	PESHAWAR	KP/30/13/106	M	25	10/5/2013	7+	11/29/2013	11/30/2013	EV	N	Y	Y	Y	180
48	PESHAWAR	PESHAWAR	KP/30/13/098	F	26	11/1/2013	7+	11/20/2013	11/21/2013	NVI	Y	N	Y	Y	153
49	PESHAWAR	PESHAWAR	KP/30/13/114	M	14	10/15/2013	7+	Late Notified			N	Y	Y	Y	170
50	PESHAWAR	PESHAWAR	KP/30/13/115	M	21	11/20/2013	7+	12/19/2013	12/20/2013	NVI	Y	Y	Y	Y	134
51	PESHAWAR	PESHAWAR	KP/30/13/111	F	46	11/8/2013	7+	12/15/2013	12/16/2013	NVI	Y	Y	Y	Y	146
52	PESHAWAR	PESHAWAR	KP/30/13/122	M	12	12/1/2013	7+	1/15/2014	1/16/2014	EV	Y	Y	Y	Y	123
53	SHANGLA	MARTOONG	KP/26/13/001	M	72	1/8/2013	7+	Late Notified			Y	Y	Y	LOST	450
54	SWABI	SWABI	KP/41/13/035	M	36	9/15/2013	7+	Late Notified			Y	Y	Y		200
55	SWABI	LAHORE	KP/41/13/048	M	17	10/23/2013	7+	11/24/2013	11/25/2013	EV	N	Y	Y		162
56	SWABI	SWABI	KP/41/13/055	M	17	12/10/2013	7+	1/17/2014	1/20/2014	NVI	Y	Y	Y		114
57	SWAT	SWAT	KP/24/13/006	F	132	4/2/2013	7+	4/10/2013		NVI	N	N	Y	DIED	366
58	SWAT	SWAT	KP/24/13/025	M	96	11/1/2013	3	Chiled Died Before Stool Collection			Y	N	Y	DIED	153
59	TANK	TANK	KP/63/13/009	M	13	8/2/2013	7+	9/6/2013	9/7/2013	NVI	N	N	Y	Y	244
60	QUETTA	QUETTA CITY	BN/11/13/028	F	13	11/18/2013	7+	Late Notified			Y	Y	Y	Y	136
61	BAGH	BAGH	AJ/50/13/012	F	34	12/22/2013	7+	1/14/2014	1/17/2014	NVI	Y	Y	Y	Y	102
62	GHIZER	PUNIAL	GB/41/13/001	M	66	9/2/2013	7+	9/6/2013		EV	N	Y	Y	DIED	213
63	BAJOUR	MAMUND	FT/33/13/007	M	45	1/2/2013	7+	Child Died Before Stool Collection			N	Y	Y	Y	456
64	BAJOUR	SALARZAI	FT/33/13/042	F	84	11/12/2013	7+	Child Died Before Stool Collection			Y	N	Y	DIED	142
65	BAJOUR	NAWAGAI	FT/33/13/040	F	48	9/30/2013	7+	11/25/2013	11/26/2013	VACC	Y	Y	N	LOST	185
66	FR BANNU	FR BANNU	FT/69/13/007	M	22	7/30/2013	3	8/28/2013	8/29/2013	EV	Y	Y	Y		247
67	FR BANNU	FR BANNU	FT/69/13/012	M	9	8/10/2013	0	9/22/2013	9/23/2013	EV	Y	Y	Y		236
68	FR BANNU	FR BANNU	FT/69/13/021	M	12	9/28/2013	0	10/30/2013	10/31/2013	NVI	Y	Y	Y		187
69	KHYBER	JAMRUD	FT/34/13/017	M	14	6/8/2013	0	6/16/2013		NVI	Y	Y	Y	Y	299
70	KHYBER	BARA	FT/34/13/016	F	10	6/6/2013	0	6/21/2013	6/23/2013	NVI	Y	Y	Y		301
71	KHYBER	BARA	FT/34/13/018	M	12	6/11/2013	0	7/1/2013	7/2/2013	EV	Y	Y	Y		296
72	KHYBER	BARA	FT/34/13/021	F	18	7/13/2013	0	7/25/2013	7/29/2013	NVI	N	N	Y		264
73	KHYBER	BARA	FT/34/13/037	M	13	9/26/2013	0	10/11/2013	10/12/2013	NVI	Y	Y	Y		189
74	KHYBER	LANDI KOTAL	FT/34/13/039	M	18	10/9/2013	7+	Late Notified			Y	N	Y		176
75	KHYBER	BARA	FT/34/13/043	F	36	10/17/2013	1	11/8/2013	11/9/2013	EV	Y	Y	Y		168
76	KHYBER	LANDI KOTAL	FT/34/13/048	M	12	9/25/2013	7+	Late Notified			Y	Y	Y	Y	190
77	KHYBER	LANDI KOTAL	FT/34/13/049	M	11	10/25/2013	3	12/11/2013	12/12/2013	EV	N	N	Y		160
78	KHYBER	LANDI KOTAL	FT/34/13/050	M	65	11/22/2013	7+	12/16/2013	12/18/2013	NVI	N	N	Y		132
79	KHYBER	JAMRUD	FT/34/13/051	F	72	12/18/2013	7+	12/23/2013		NVI	N	N	Y		106
80	KHYBER	JAMRUD	FT/34/13/054	M	30	12/23/2013	7+	1/1/2014		NVI	N	N	Y		101
81	KHYBER	BARA	FT/34/13/052	F	60	11/20/2013	0	12/21/2013	12/22/2013	NVI	UK	Y	Y		134
82	MOHMAND	UPPER MOHMAND	FT/35/13/003	F	18	4/18/2013	7+	5/7/2013	5/8/2013	NVI	Y	Y	Y	Y	350
83	MOHMAND	UPPER MOHMAND	FT/35/13/008	M	26	5/8/2013	7+	6/22/2013	6/23/2013	EV	Y	Y	Y		330
84	WAZIR-N	MIR ALI	FT/64/13/030	F	9	8/9/2013	0	Late Notified			Y	N	N		237
85	WAZIR-N	MIR ALI	FT/64/13/042	M	7	7/3/2013	0	8/29/2013	8/30/2013	EV	Y	N	Y		274
86	WAZIR-N	MIR ALI	FT/64/13/054	F	18	9/9/2013	2	Late Notified			Y	N	Y		206
87	WAZIR-N	MIR ALI	FT/64/13/090	M	12	9/20/2013	0	10/24/2013	10/25/2013	VACC	Y	Y	Y		195
88	WAZIR-N	MIR ALI	FT/64/13/101	F	10	10/20/2013	0	11/7/2013	11/9/2013	NVI	Y	Y	Y		165

€ Based on recall of parents

\* Afp.rec Data as of 07-04-2014

60 days Follow-up not done

FUP = Residual Weakness at 60 days follow up.

**Table 7.2: AFP CASES PENDING FOR CLASSIFICATION WITH DATE OF ONSET MORE THAN 90 DAYS\* 2013 (3/4)**

S. No	DISTRICT	TEHSIL	EPID	SEX	AGE	DONSET	DOSES€	DSTOOL1	DSTOOL2	LAB	FEVER	ASYM	PROG	FUP	PEND (DAYS)
89	WAZIR-N	RAZMAK	FT/64/13/111	F	24	10/22/2013	3	11/24/2013	11/25/2013	NVI	Y	N	Y		163
90	WAZIR-N	MIR ALI	FT/64/13/129	M	12	11/22/2013	0	12/16/2013	12/17/2013	EV	Y	Y	Y		132
91	WAZIR-S	WANA	FT/65/13/006	F	26	7/13/2013	7+	8/15/2013	8/16/2013	NVI	Y	Y	Y		264
92	WAZIR-S	LADHA	FT/65/13/012	F	36	10/1/2013	1	10/21/2013	10/22/2013	EV	Y	Y	Y		184
93	WAZIR-S	WANA	FT/65/13/005	F	12	4/25/2013	1	6/19/2013	6/20/2013	NVI	UK	N	UK		343
94	WAZIR-S	WANA	FT/65/13/010	F	23	9/21/2013	5	9/27/2013		NVI	Y	N	UK		194

€ Based on recall of parents  
\* Afp.rec Data as of 07-04-2014

60 days Follow-up not done

FUP = Residual Weakness at 60 days follow up.