



**World Health  
Organization**

# **Weekly AFP Surveillance Update Pakistan**

**Week 13** (*Ended on 29<sup>th</sup> March, 2014*)

AFP Surveillance



## ***National Surveillance Cell Federal EPI***

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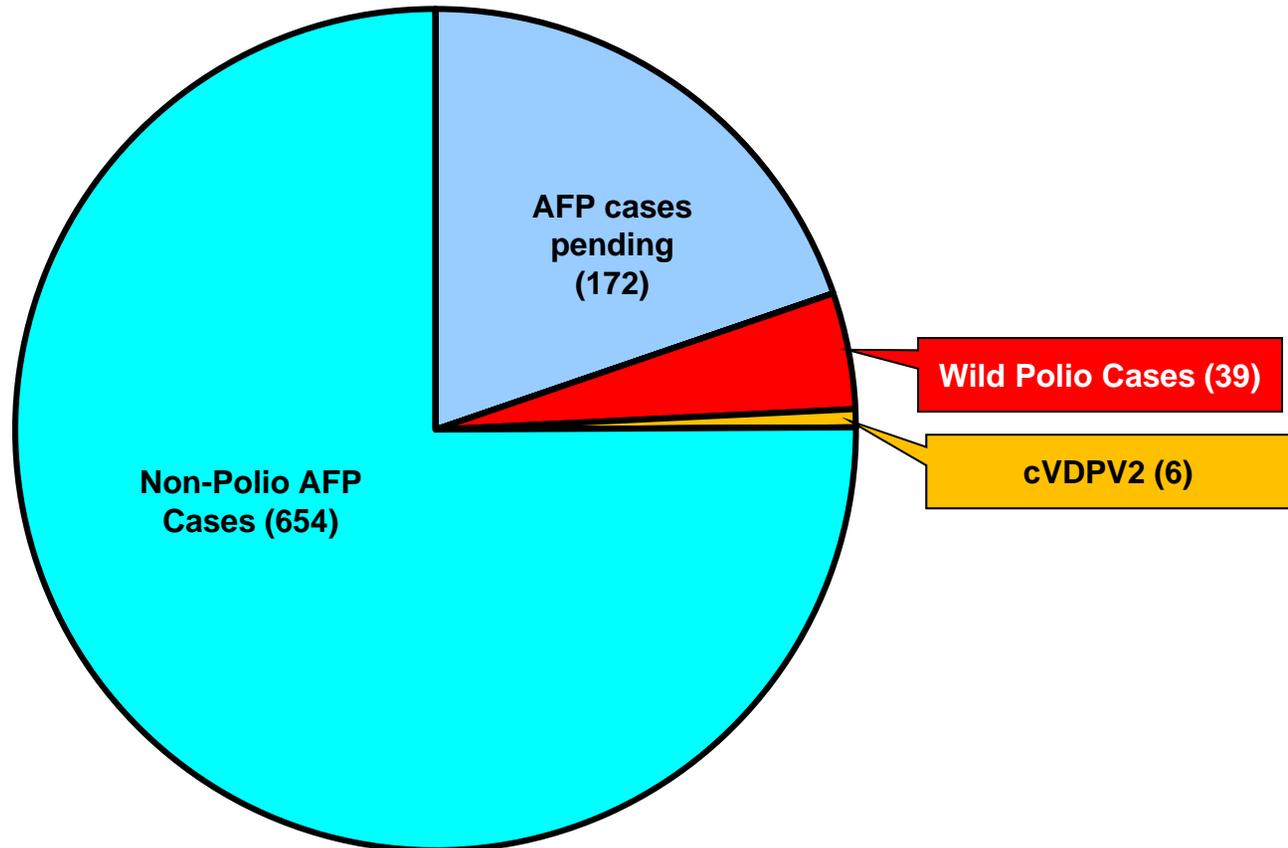
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# AFP Case Profile, 2014\*



**Total AFP Cases Reported = 871**

**^6 Inadequate cases pending classification by ERC;  
^54 Inadequate cases not due for FUP  
^112 Pending in the Lab**

\* Afp.rec Data as of 27-03-2014

## 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	5	3	2	07-Mar -14
FATA / FR Areas	0	33	0	4	08-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>36</b>	<b>6</b>	<b>7</b>	<b>08-Mar-14</b>

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

\* Afp.rec Data as of 27-03-2014

**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	WPV 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 27-03-2014

**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	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	
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	KPAKHTUNKHWA	BANNU	BANNU	KP/61/14/006	F	16	07-Mar-14	0	0	Y	Y	Y	Y	NSL1	
37	FATA	WAZIR-N\$	MIR ALI	FT/64/14/049	M	5	08-Mar-14	0	0	Y	N	Y	N	NSL1	
38	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/050	M	13	04-Mar-14	0	0	Y	Y	Y	N	NSL1	
39	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/051	M	14	07-Mar-14	0	0	Y	Y	Y	N	NSL1	

\$ Security compromised area

**New Case**

^Under investigation

\* Afp.rec Data as of 27-03-2014

**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	1	0	25	7	68	18%	17	377	98%
February	364	267	2	1	33	9	42	12%	18	360	99%
March	233	105	84	8	7	3	15	6%	4	131	56%
<b>Pakistan</b>	<b>980</b>	<b>639</b>	<b>87</b>	<b>9</b>	<b>65</b>	<b>7</b>	<b>125</b>	<b>13%</b>	<b>39</b>	<b>868</b>	<b>89%</b>

\* Data as of 27-03-2014

## 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 (Y)	Sex	Date of 1st stool	Stool Adeq	RI	S1As	Last 6 S1As	Last dose	By Field	By NSCY		Lab No.	Days Incub	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	Discardant U
2	WAZIR-N §	MIR ALI	MAMEET	FT/64/14/053	08-Mar-14	22	F	18-Mar-14	N	0	0	0		Y	Y	POLIO MYELITIS	1149	4	P2	Discardant U
3	WAZIR-N §	#	DATA KHEL	FT/64/14/054	02-Mar-14	11	F	14-Mar-14	Y	0	2	1		Y	Y	POLIO	1127	7	P2	Discardant U
4	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+	
5	WAZIR-S §	WANA	TOI QALLA	FT/65/14/003	17-Mar-14	22	M	18-Mar-14	Y	0	1	1	11-Mar-14	Y	Y	POLIO	1140	5	P3	Discardant U
6	BANNU	BANNU	MUMBATTI	KP/61/14/007	02-Mar-14	10	F	07-Mar-14	Y	0	0	0		Y	Y	SUSPECTED POLIO	1002	7	P1	Discardant U
7	BANNU	BANNU	MUMBATTI	KP/61/14/008-C3		36	F	16-Mar-14	-	-	-	-		-	-	MENINGITIS / POLIO	1110	2	L20B+	REFUSAL
8	MARDAN *	MARDAN	SAWAL DHER	KP/40/14/018	15-Mar-14	28	F	19-Mar-14	Y	3	7+	6	05-Mar-14	N		ARTHRITIS	1167	9	L20B+	
9	KHANEWAL	MIAN CHANNU	86	PB/62/14/011	13-Mar-14	26	M	20-Mar-14	Y	3	7+	6	24-Feb-14	N		ARTHRITIS	1178	4	L20B+	
10	KHIBINQASIM	BINQASIM	2	SD/62/14/001	07-Mar-14	45	M	15-Mar-14	Y	3	7+	6	02-Mar-14	N		STROKE	1144	7	L20B+	
11	SHIKARPUR §	SHIKARPUR	JAHANWAH	SD/52/14/008-C3		42	M	12-Mar-14	-	-	-	-		N	-		1062	12	P1	Discardant U
<b>Reported urgent (by field / NSCY criteria)</b>																				
12	WAZIR-N	MIRAN SHAH	SPALGAI	FT/64/14/056	14-Mar-14	12	M	21-Mar-14	N	0	0	0		Y	Y	POLIO MYELITIS	1197	5	UP	
13	GUJRANWALA	WAZIRABAD	BHAROKEY	PB/21/14/025	16-Mar-14	16	F	18-Mar-14	Y	0	4	6	11-Mar-14	N	Y	ARTHRITIS	1169	7	UP	
14	SHIKARPUR	SHIKARPUR	JAHANWAH	SD/52/14/008	13-Feb-14	36	F	10-Mar-14	N	1	7+	6	10-Feb-14	N	N	MAYAGIA	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

U Pending for genomic sequencing



## Comparison environmental sampling results 2013-14\*

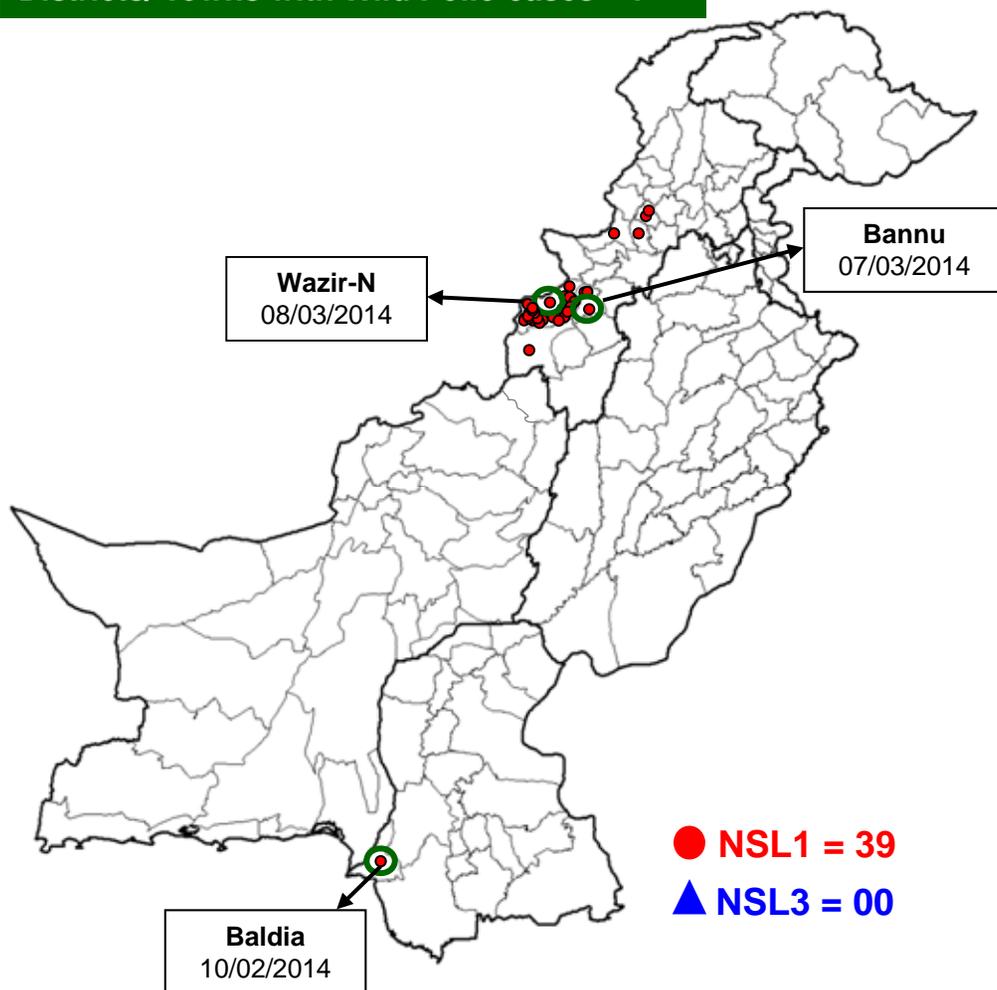
DISTRICT	2013			2014			Last
	TOTAL	WILD		TOTAL	WILD		
	n	n	%	n	n	%	
LAHORE	15	0	0%	15	0	0%	12-Dec-13
MULTAN	9	0	0%	9	0	0%	09-Dec-13
RAWALPINDI	3	1	33%	2	1	50%	28-Jan-14
FAISALABAD	9	1	11%	9	0	0%	03-Jan-13
KHIGIQBAL	6	0	0%	6	4	67%	06-Mar-14
KHIGADAP	7	1	14%	9	3	33%	11-Feb-14
KHIBALDIA	6	0	0%	6	2	33%	27-Jan-14
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	3	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>13</b>	<b>16%</b>	<b>06-Mar-14</b>

\* Data as of 27-03-2014

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	5	-
FATA	March, 2014	Apr, 2012	33	-
BALUCHISTAN	-	Apr, 2010	-	-
AJK	-	Jun, 2000	-	-
GILGIT-BALTISTAN	-	-	-	-
ISLAMABAD	-	Sep, 2008	-	-
<b>PAKISTAN</b>	<b>March, 2014</b>	<b>Apr, 2012</b>	<b>39</b>	<b>-</b>

● NSL1 = 39  
▲ NSL3 = 00

○ District with last polio case in province

Cases randomly placed in districts

— Provincial Boundary  
— Districts Boundary

\* Afp.rec Data as of 27-03-2014

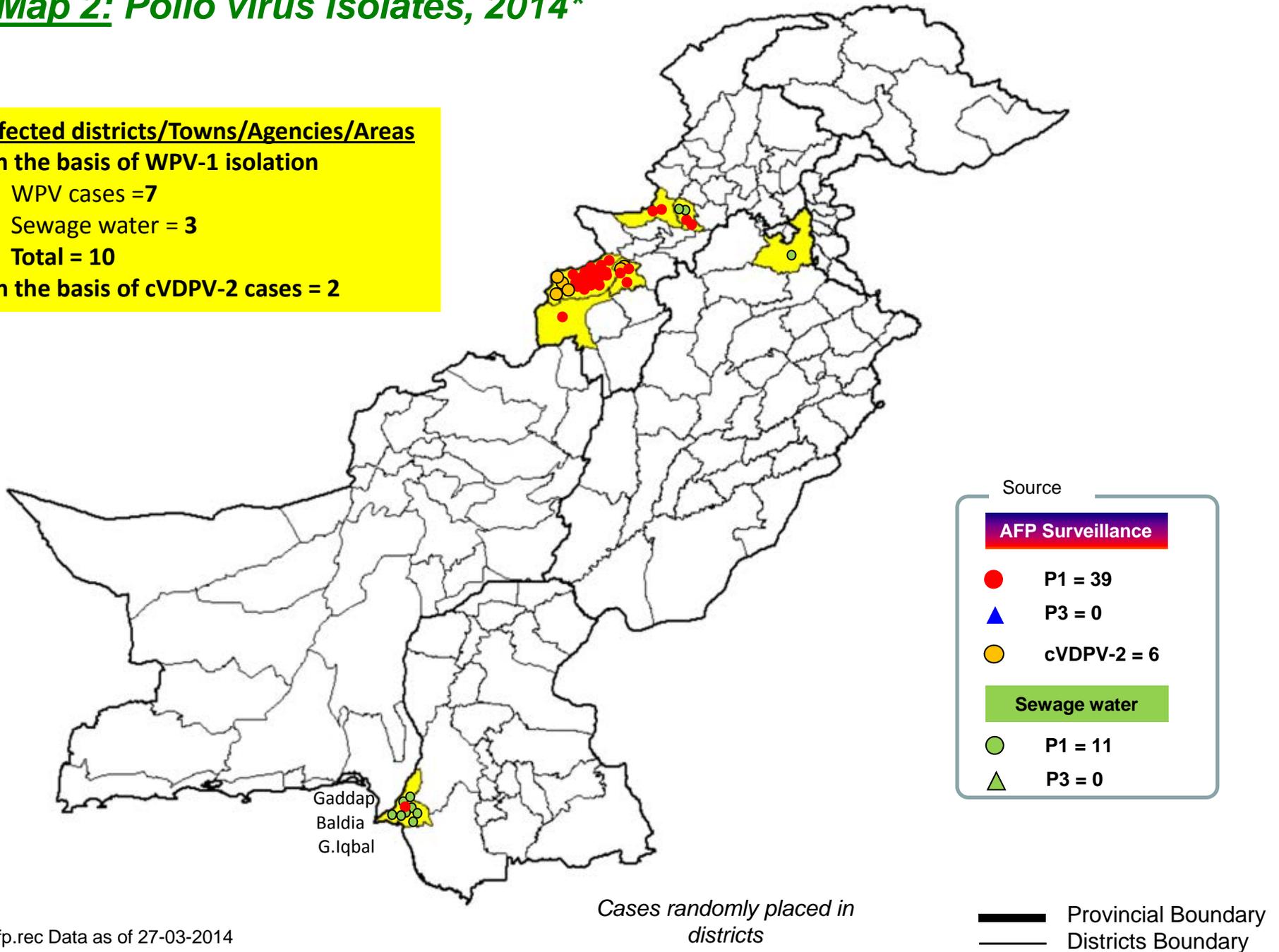
## Map 2: Polio virus isolates, 2014\*

### Infected districts/Towns/Agencies/Areas

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

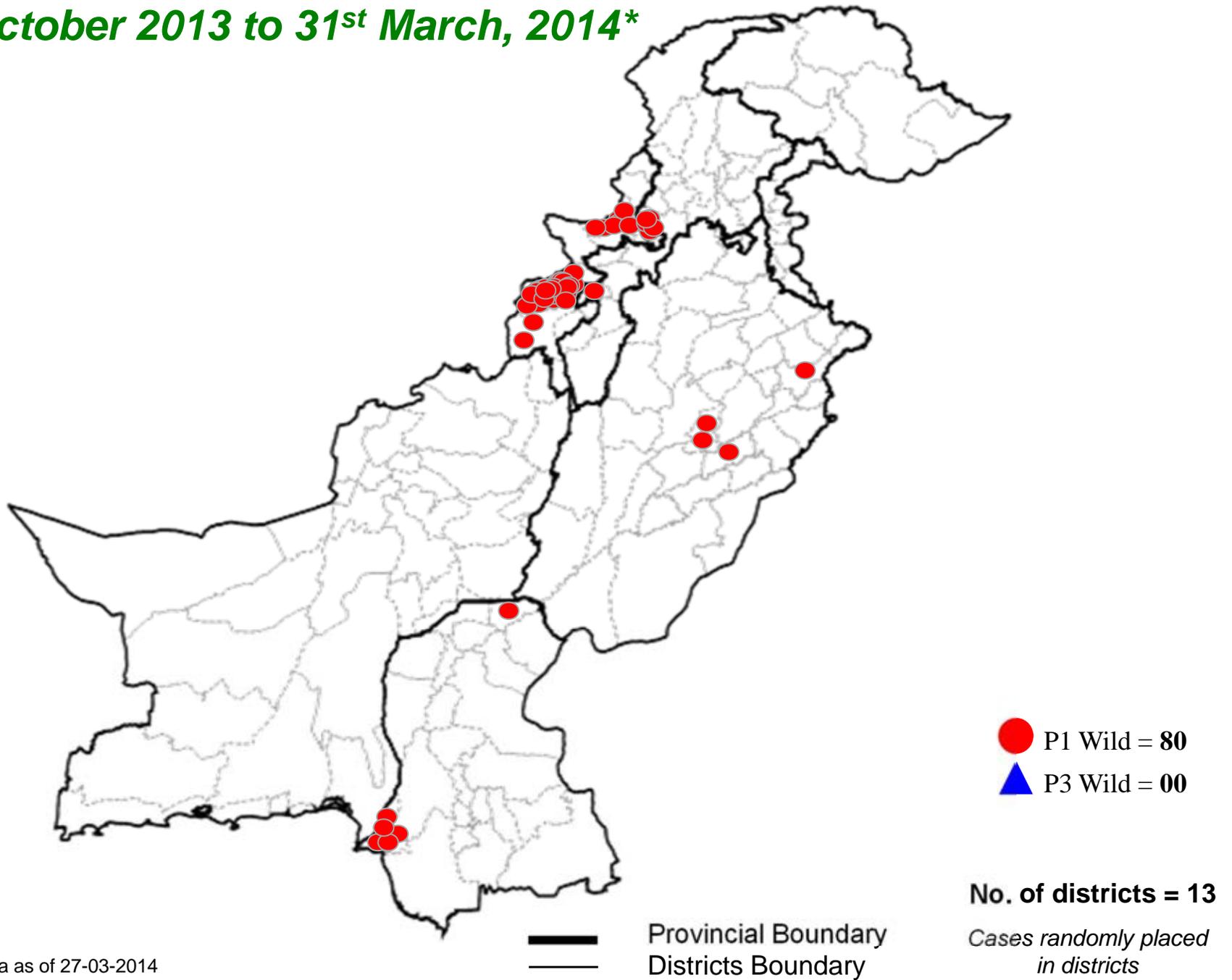
- WPV cases = 7
- Sewage water = 3
- Total = 10

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



\* Afp.rec Data as of 27-03-2014

**Map 3: Wild Polio cases in the last 6 months from 01<sup>st</sup> October 2013 to 31<sup>st</sup> March, 2014\***



\* Afp.rec Data as of 27-03-2014

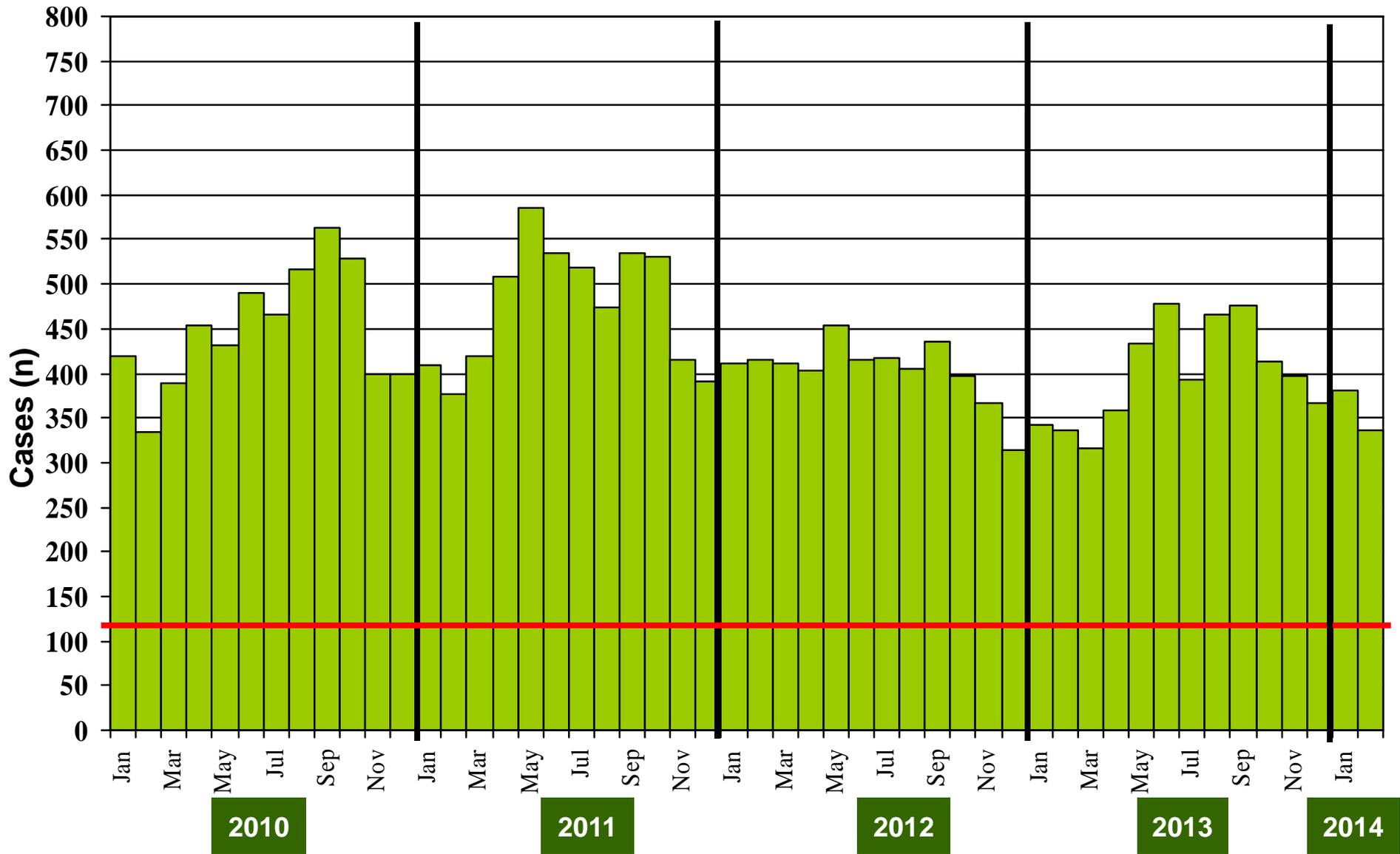
**Table 4: Distribution of AFP Cases By Week of Onset ^  
Pakistan 2013-14\* [Week number/Ending on]**

PROVINCE	W 50 14 Dec 2013	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
PUNJAB	40	22	51	29	31	51	52	37	38	42	33	44	36	28	15
SINDH	18	13	17	9	19	17	19	8	20	23	17	19	20	14	8
KP	20	19	24	12	20	13	19	19	24	12	23	16	16	15	4
FATA	5	6	9	8	8	7	6	10	11	12	6	6	7	4	1
BALUCHISTAN	1	4	5	7	9	2	5	6	0	3	1	1	1	4	5
AJK	1	2	0	1	0	2	1	1	1	1	0	0	1	2	0
GILGIT BILTISTAN	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
ISLAMABAD	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
<b>PAKISTAN</b>	<b>88</b>	<b>63</b>	<b>108</b>	<b>60</b>	<b>84</b>	<b>93</b>	<b>104</b>	<b>83</b>	<b>98</b>	<b>95</b>	<b>88</b>	<b>86</b>	<b>83</b>	<b>62</b>	<b>29</b>

\* Afp.rec & Afplab.rec: Data as of 27-03-2014

^ MMWR Epidemiological Weeks

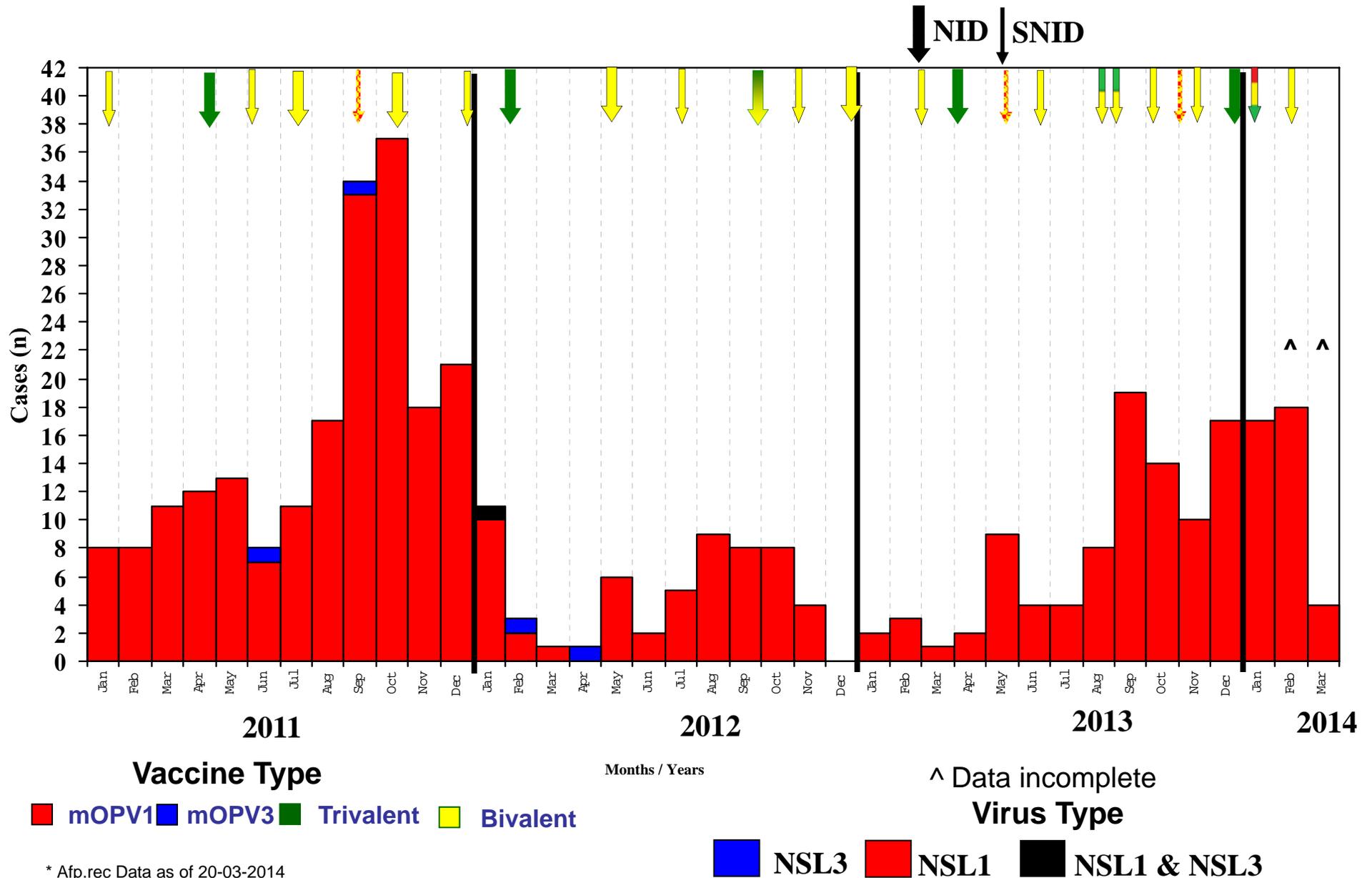
**Graph 1: Distribution of AFP Cases by Month, Pakistan 2010-2014\***



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

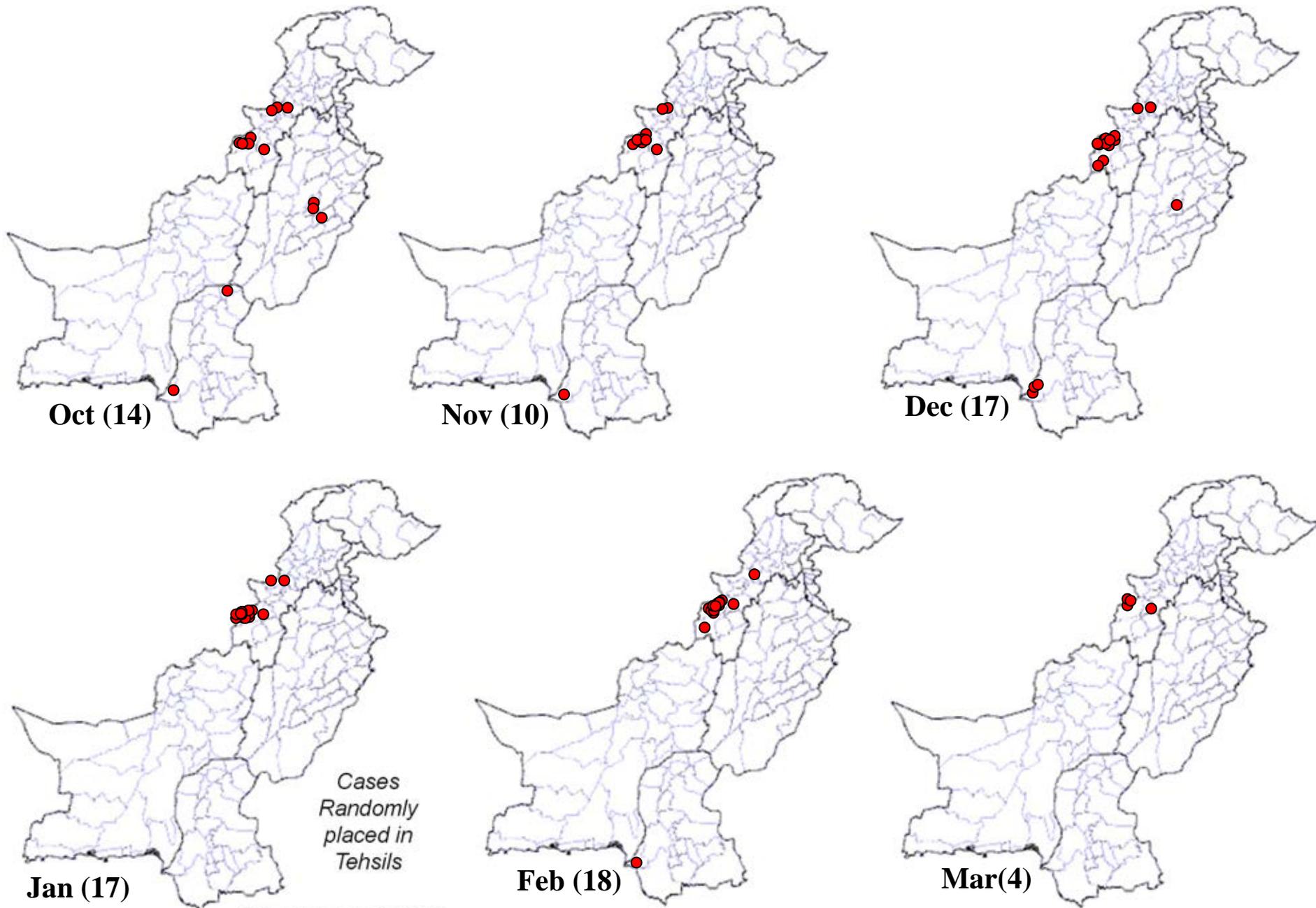
\* Afp.rec Data as of 27-03-2014

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



\* Afp.rec Data as of 20-03-2014

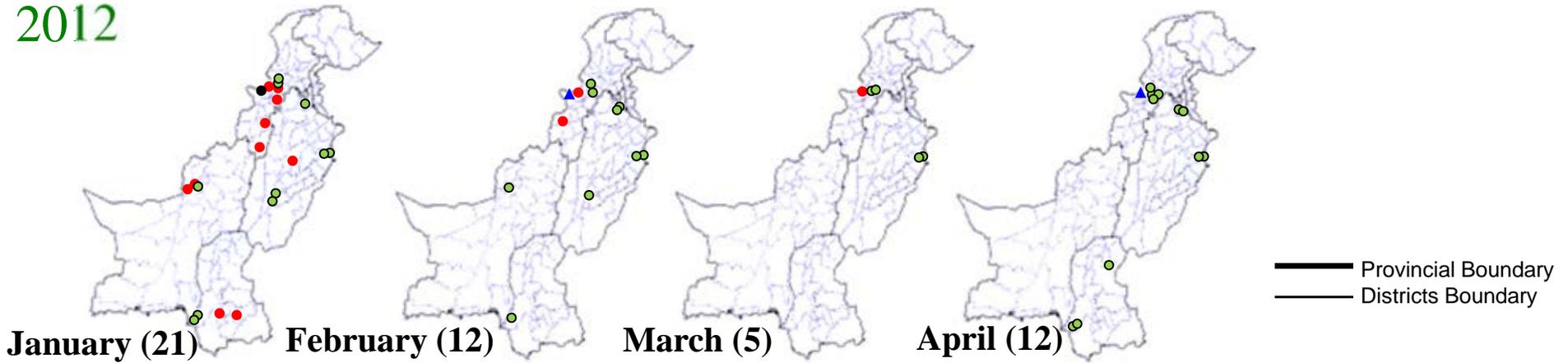
## Confirmed Polio Cases in Last 6 Months Oct– March 2014\*



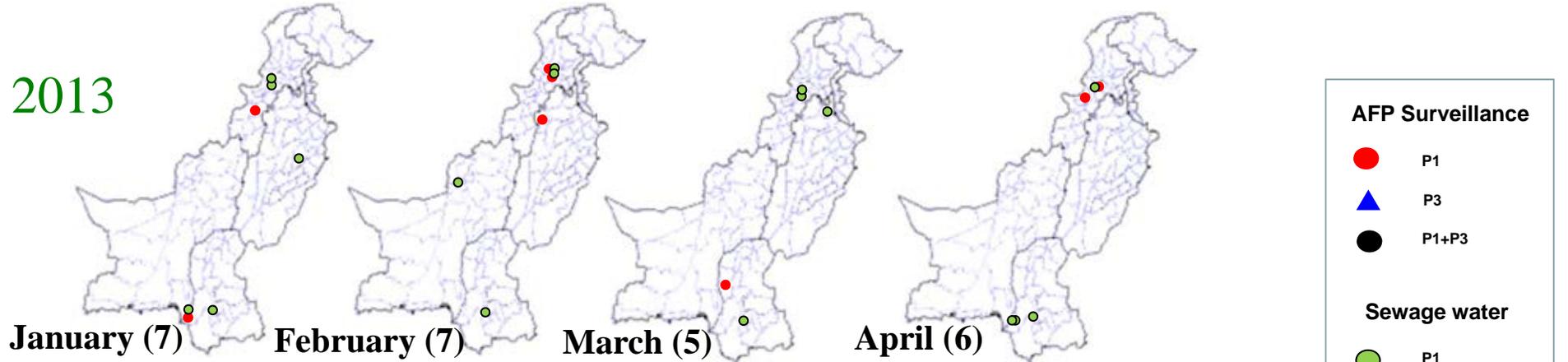
\* Afp.rec Data as of 27-03-2014

# 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 27-03-2014

# 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:

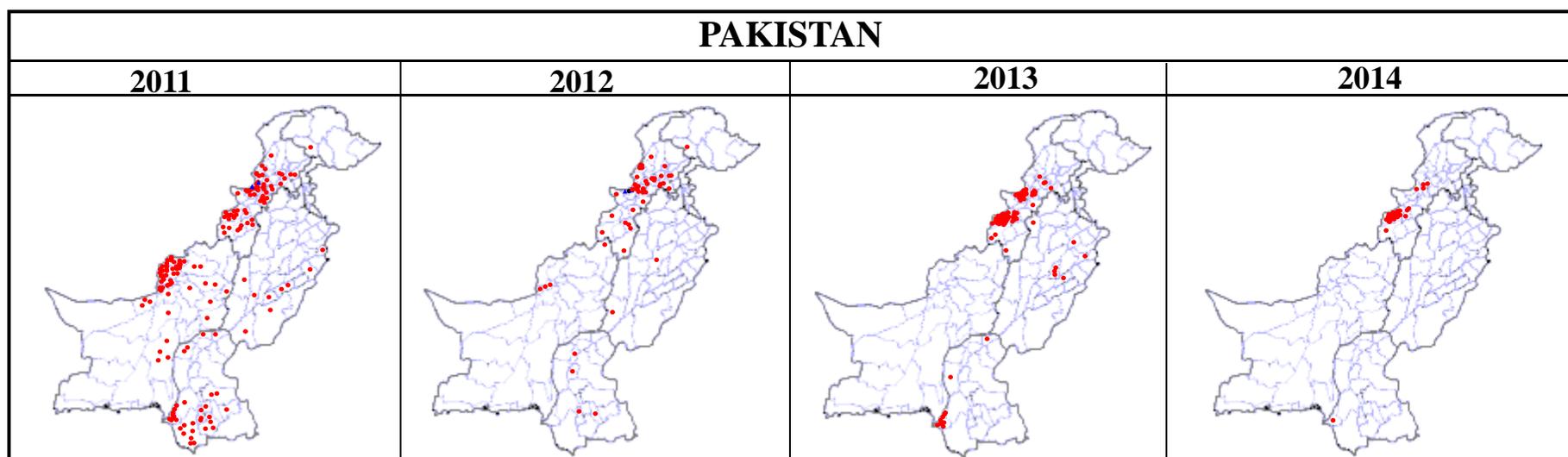
July, 2009: Lahore & Karachi  
 June, 2010: Rawalpindi, Peshawar & Quetta  
 July, 2010: Multan  
 April 2012: Sukkur  
 Hyderabad: July 2012  
 Faisalabad: September 2012

\* Afp.rec Data as of 27-03-2014

## 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	5	0	-	-	-	23	27	11	5
FATA^	57	17	65	33	2	2	-	-	59	20^	65	33
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>39</b>	<b>2</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>198</b>	<b>58</b>	<b>93</b>	<b>39</b>

^ FATA reported mixture of NSL1 & NSL3



\* Afp.rec Data as of 27-03-2014

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

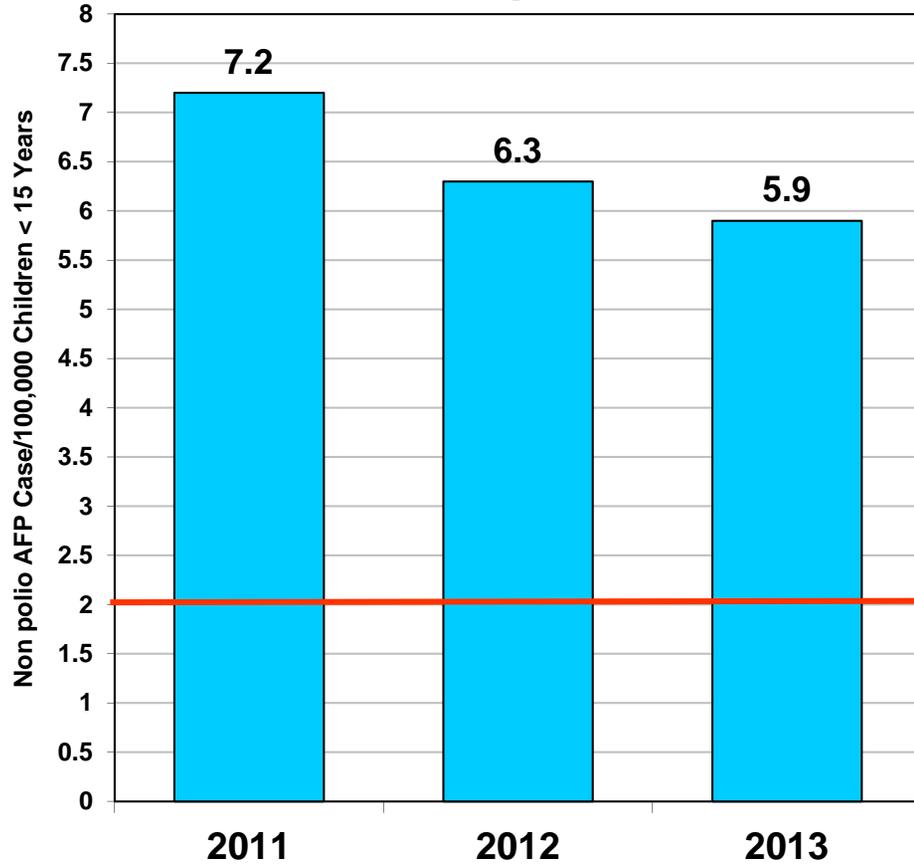
REGION	0 dose				1-2 doses				3 doses				4-6 doses				7+ doses			
	11	12	13	14	11	12	13	14	11	12	13	14	11	12	13	14	11	12	13	14
Central Punjab	0%	0%	0%	1%	1%	0%	0%	0%	2%	0%	1%	4%	6%	4%	7%	4%	92%	95%	91%	92%
North Punjab	0%	0%	0%	0%	1%	0%	0%	0%	1%	0%	0%	3%	5%	4%	4%	3%	93%	96%	96%	94%
South Punjab	0%	0%	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 27-03-2014

# Key Surveillance Indicators; 2011-2013\*

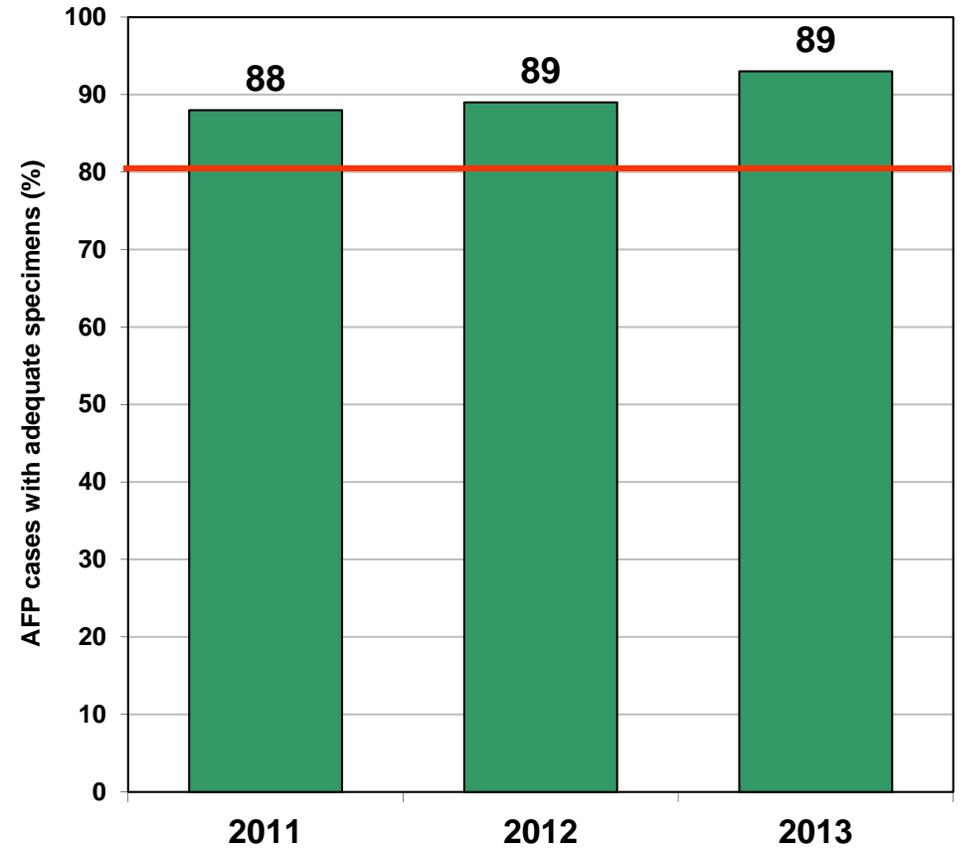
(Non polio AFP rate and % AFP cases with adequate specimens)

**Graph 3**



■ Non Polio AFP Rate

**Graph 4**



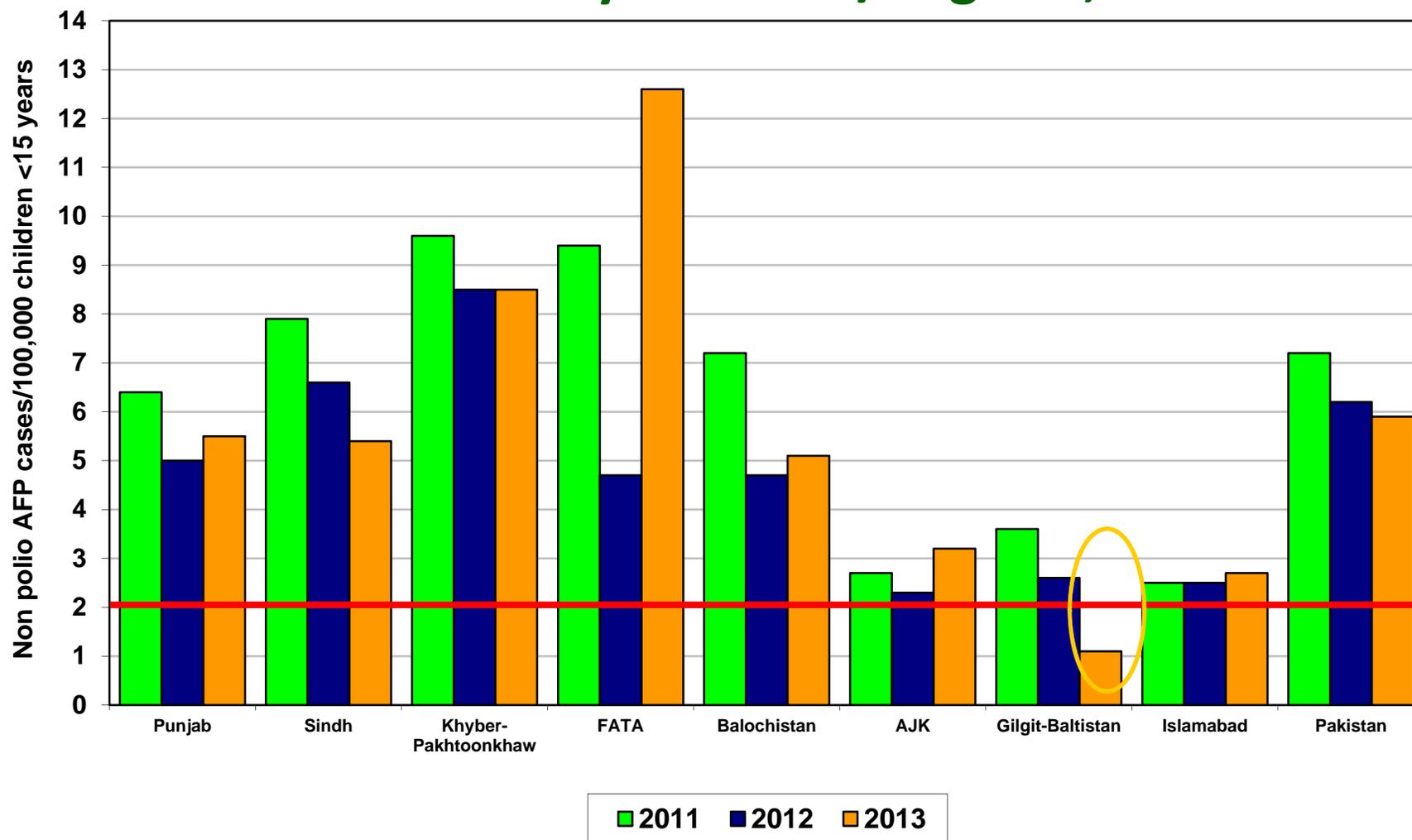
■ % AFP with Adequate Specimens

— Target

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

\* Afp.rec Data as of 27-03-2014

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

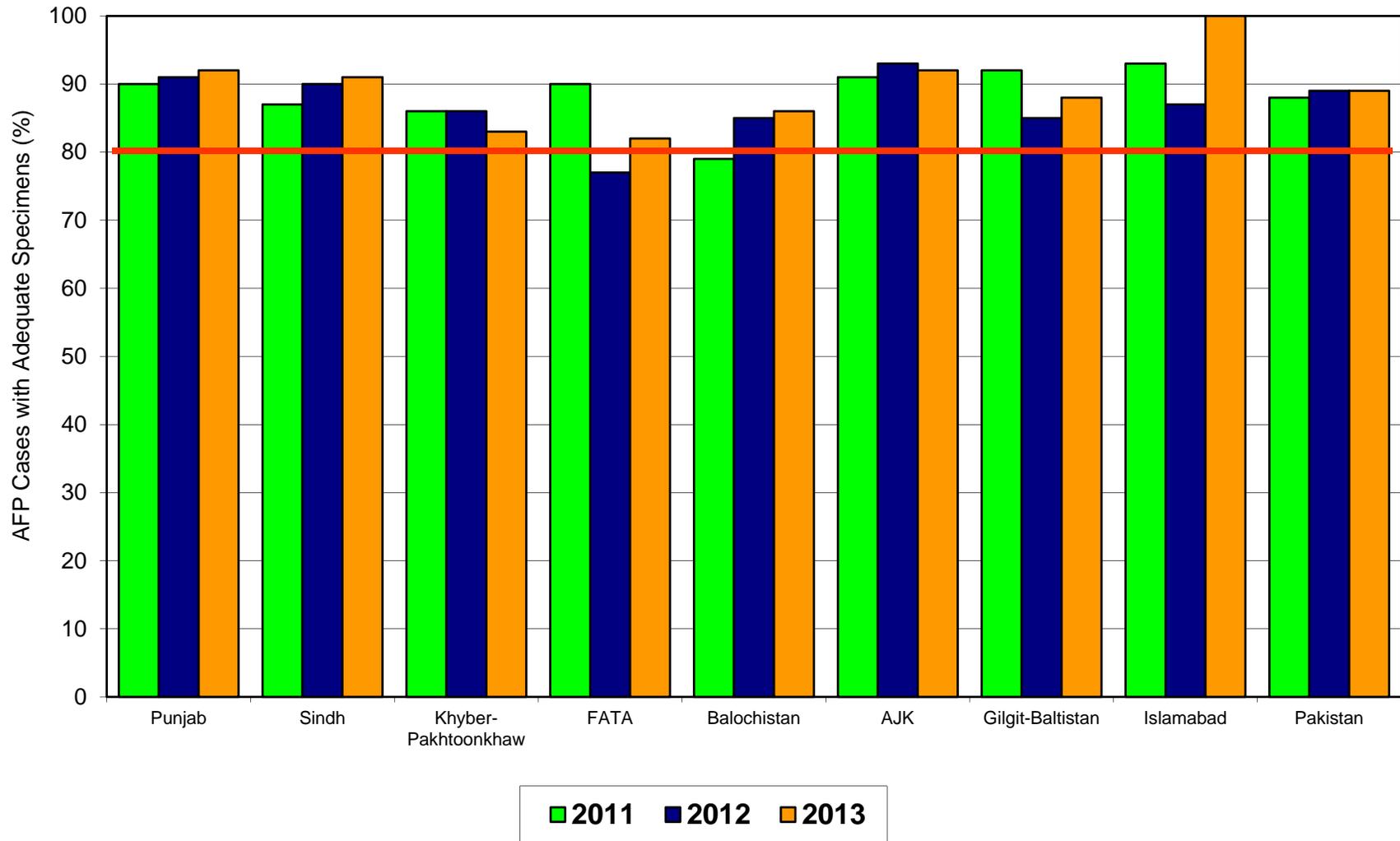


Non Polio AFP rate Up to Week No. 52 ended on 28<sup>th</sup> December, 2013

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

\* Afp.rec Data as of 27-03-2014

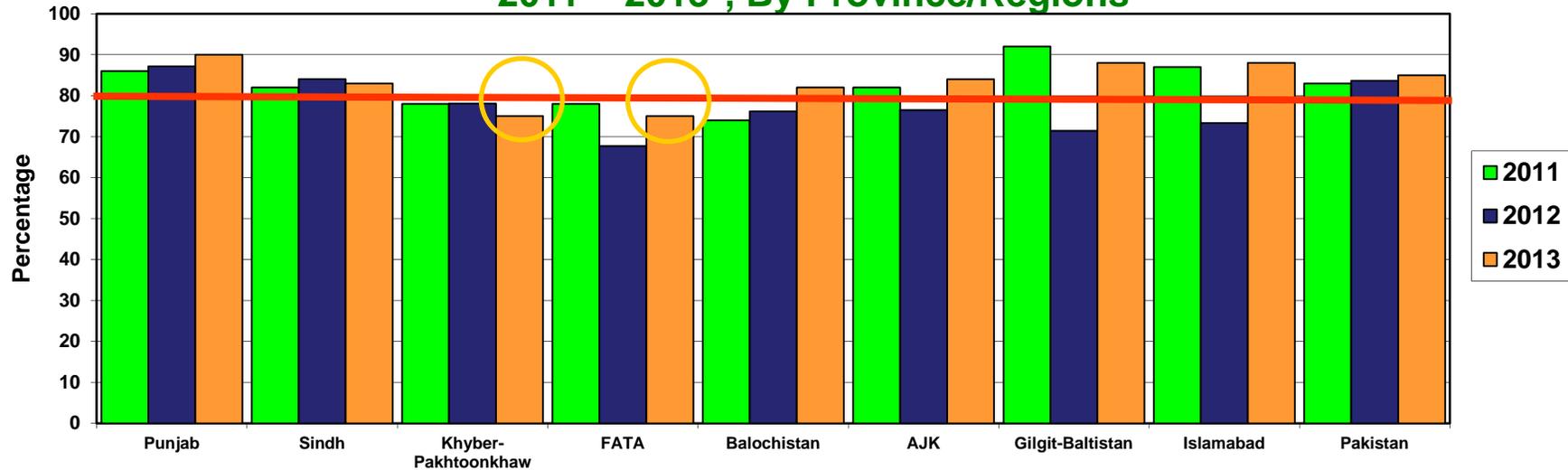
# Percent AFP Cases with Adequate Specimens By Province/Regions, 2011-2013\*



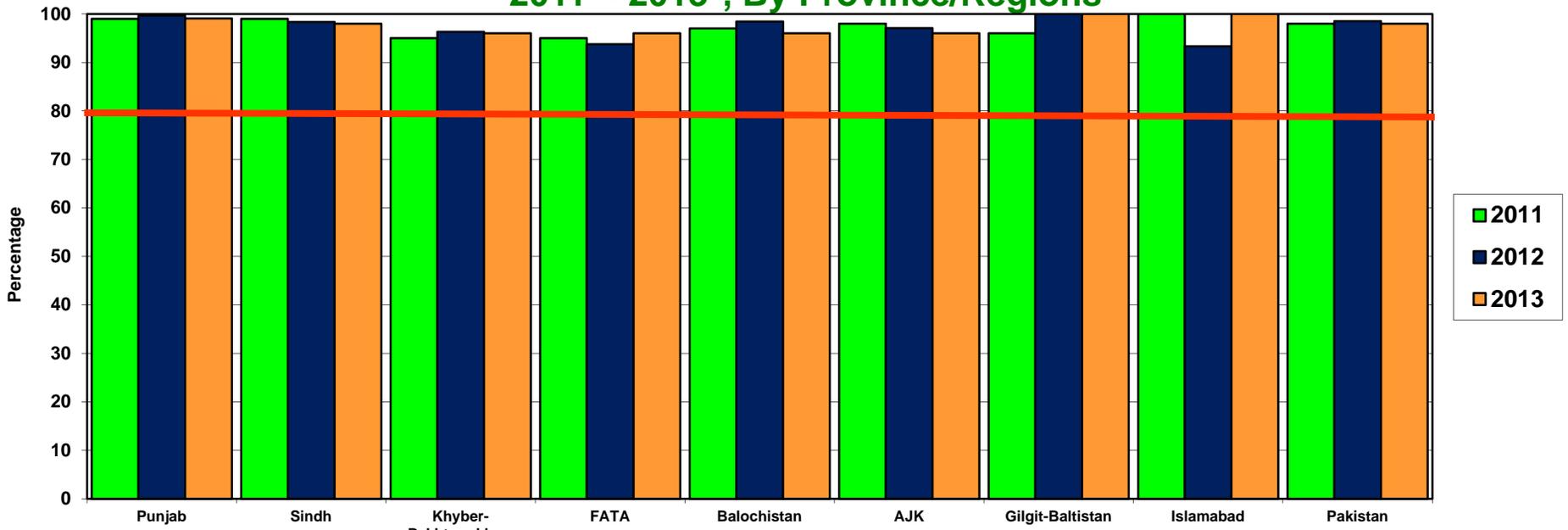
\* Afp.rec Data as of 27-03-2014

 Target Adequate Sample cases = 80%

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



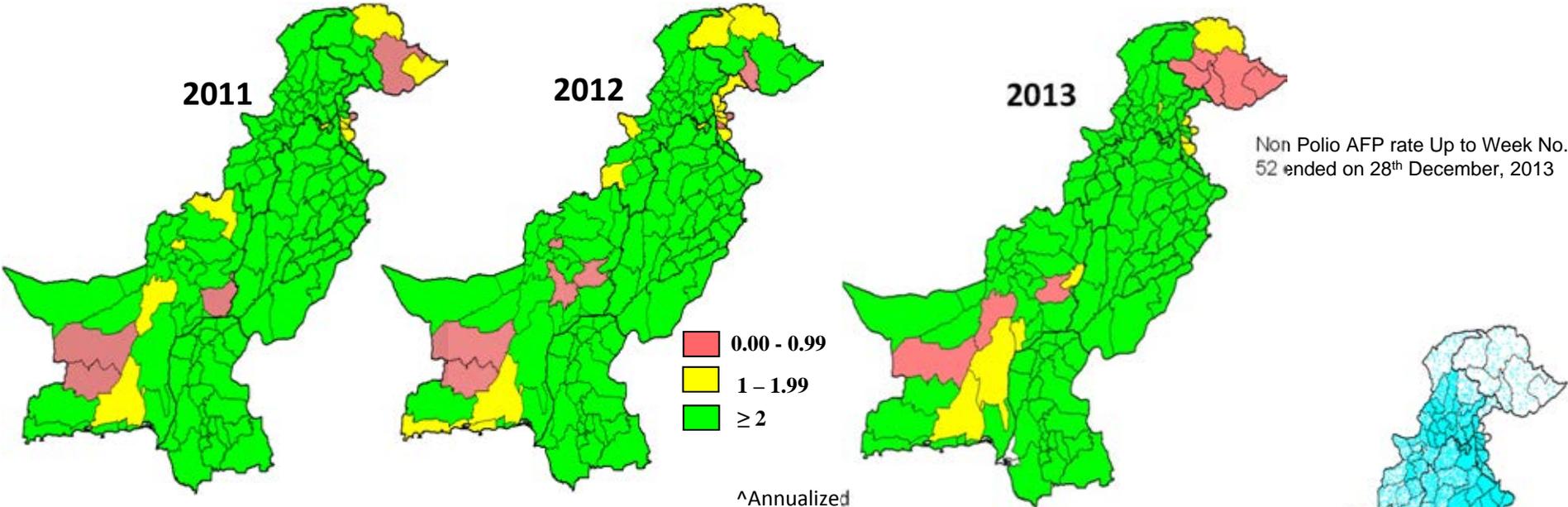
**Graph 6: Percent AFP Cases Investigated within 48 hours of notification  
2011 ~ 2013\*, By Province/Regions**



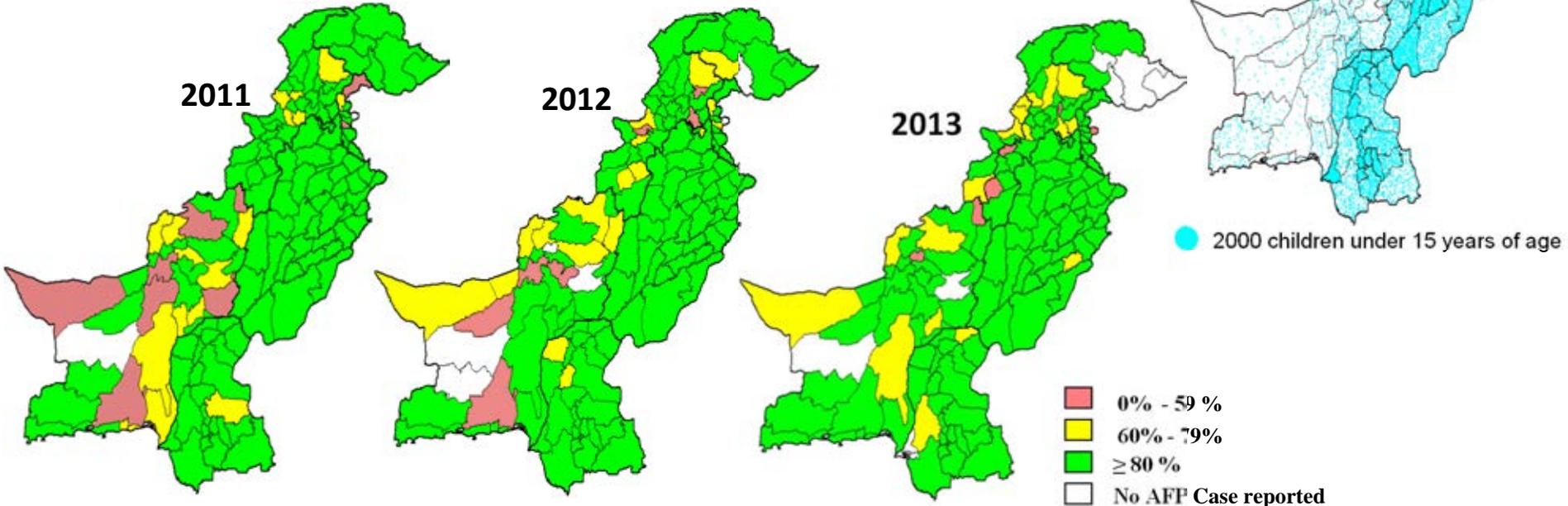
\* Afp.rec Data as of 27-03-2014

— Target

### Non-Polio^ AFP Rate by District



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



\* Afp.rec Data as of 27-03-2014

**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	DOSESE	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	450
2	FAISALABAD	JARANWALA	PB/51/13/106	M	24	12/24/2013	7+	2/10/2014	2/12/2014	NVI	Y	Y	Y	Y	93
3	HYDERABAD	HYDERABAD RURAL	SD/21/13/033	F	43	10/17/2013	7+	12/10/2013	12/11/2013	NVI	N	Y	Y	Y	161
4	JACOBABAD	THUL	SD/53/13/017	M	10	6/26/2013	7+	7/26/2013	7/27/2013	EV	Y	Y	Y	Y	274
5	JAMSHORO	SEHWAN	SD/25/13/020	F	12	11/2/2013	7+	11/20/2013	11/21/2013	NVI	Y	Y	Y	Y	145
6	KASHMORE	KANDHKOT	SD/54/13/002	M	54	5/27/2013	7+	Died Before Stool Collection			N	N	Y	LOST	304
7	KHIBALDIA	BALDIA	SD/61/13/005	F	36	6/18/2013	4	Died Before Stool Collection			N	N	Y	DIED	282
8	KHIBALDIA	BALDIA	SD/61/13/010	M	16	10/10/2013	7+	10/24/2013	10/26/2013	EV	Y	Y	Y	Y	168
9	KHIBINQASIM	BINQASIM	SD/62/13/012	M	96	9/19/2013	7+	11/17/2013	11/18/2013	NVI	Y	N	Y	Y	189
10	KHIGADAP	GADAP	SD/63/13/010	F	42	6/2/2013	7+	Died Before Stool Collection			Y	N	Y	DIED	298
11	KHIGADAP	GADAP	SD/63/13/021	F	10	8/23/2013	1	9/23/2013	9/24/2013	NVI	Y	Y	Y	Y	216
12	KHIGADAP	GADAP	SD/63/13/031	M	14	7/15/2013	7+	Died Before Stool Collection			Y	Y	Y	Y	255
13	KHIGADAP	GADAP	SD/63/13/034	F	48	11/18/2013	7+	Died Before Stool Collection			Y	N	Y	Y	129
14	KHIJAMSHEED	JAMSHEED	SD/66/13/004	F	60	5/1/2013	7+	Died Before Stool Collection			Y	N	Y	DIED	330
15	KHISADDAR	SADDAR	SD/77/13/004	F	38	4/5/2013	7+	5/10/2013	5/11/2013	NVI	N	N	Y	Y	356
16	NFEROZ	BHIRIA	SD/45/13/003	F	144	2/5/2013	7+	Died Before Stool Collection			Y	Y	Y	DIED	415
17	NFEROZ	MORO	SD/45/13/013	F	54	5/10/2013	7+	6/1/2013	6/2/2013	NVI	N	Y	Y	Y	321
18	SANGHAR	KHIPRO	SD/32/13/024	F	60	9/15/2013	7+	10/1/2013	10/2/2013	NVI	Y	Y	Y	Y	193
19	ABOTABAD	HAVALIAN	KP/10/13/027	F	72	8/18/2013	7+	Died Before Stool Collection			N	Y	Y	Y	221
20	BANNU	BANNU	KP/61/13/010	M	53	4/30/2013	7+	Late Notified			Y	N	N	Y	331
21	DIRLOWER	SAMAR BAGH	KP/23/13/015	F	13	1/30/2013	7+	Late Notified			Y	Y	Y	Y	421
22	DIRLOWER	SAMAR BAGH	KP/23/13/033	F	96	7/25/2013	7+	9/5/2013	9/7/2013	NVI	Y	Y	Y	Y	245
23	DIRLOWER	TIMERGARA	KP/23/13/034	M	30	8/8/2013	7+	9/16/2013	9/17/2013	NVI	Y	Y	Y	Y	231
24	DIRLOWER	TIMERGARA	KP/23/13/038	M	1	10/10/2013	1	11/15/2013	11/16/2013	NVI	Y	Y	Y	Y	168
25	DIRUPPER	DIR	KP/25/13/015	F	48	12/24/2013	7+	2/15/2014	2/16/2014	NVI	Y	N	Y		93
26	HANGU	HANGU	KP/54/13/016	M	48	12/6/2013	7+	Late Notified			Y	N	Y		111
27	HANGU	HANGU	KP/54/13/014	F	8	10/28/2013	7+	11/26/2013	11/28/2013	NVI	Y	N	Y		150
28	HARIPUR	HARIPUR	KP/12/13/024	F	48	10/6/2013	7+	10/29/2013	10/30/2013	NVI	Y	N	Y	Y	172
29	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	199
30	LAKKIMRWT	LAKKIMRWT	KP/62/13/057	F	14	11/28/2013	7+	1/8/2014	1/9/2014	EV	Y	Y	N	Y	119
31	MANSEHRA	MANSEHRA	KP/14/13/005	M	168	3/17/2013	7+	Died Before Stool Collection			N	N	Y	DIED	375
32	MANSEHRA	MANSEHRA	KP/14/13/019	F	24	7/13/2013	7+	Died Before Stool Collection			UK	UK	Y	DIED	257
33	MANSEHRA	OGHI	KP/14/13/038	M	26	11/8/2013	7+	11/28/2013	12/2/2013	NVI	Y	Y	N		139
34	MANSEHRA	MANSEHRA	KP/14/13/026	M	84	8/31/2013	7+	9/16/2013	9/17/2013	NVI	Y	N	Y	DIED	208
35	MARDAN	MARDAN	KP/40/13/059	F	24	7/25/2013	7+	8/2/2013	8/22/2013	NVI	Y	Y	Y	Y	245
36	MARDAN	MARDAN	KP/40/13/046	F	24	6/15/2013	7+	7/5/2013	7/6/2013	EV	Y	Y	Y	Y	285
37	MARDAN	MARDAN	KP/40/13/077	F	32	9/2/2013	7+	9/24/2013	9/25/2013	NVI	Y	Y	Y	Y	206
38	NOWSHERA	NOWSHERA	KP/32/13/012	F	108	3/15/2013	7+	Died Before Stool Collection			Y	N	Y	DIED	377
39	NOWSHERA	NOWSHERA	KP/32/13/031	M	25	7/25/2013	7+	8/21/2013	8/22/2013	EV	Y	Y	Y		245
40	PESHAWAR	PESHAWAR	KP/30/13/026	M	24	4/17/2013	0	5/17/2013	5/19/2013	EV	Y	Y	Y	Y	344
41	PESHAWAR	PESHAWAR	KP/30/13/039	F	54	5/3/2013	7+	6/14/2013	6/15/2013	EV	Y	Y	Y	Y	328
42	PESHAWAR	PESHAWAR	KP/30/13/063	M	14	8/16/2013	7+	8/30/2013	9/1/2013	VACC	Y	N	Y	LOST	223
43	PESHAWAR	PESHAWAR	KP/30/13/076	F	24	8/28/2013	7+	10/2/2013	10/10/2013	NVI	Y	N	UK	Y	211
44	PESHAWAR	PESHAWAR	KP/30/13/097	F	9	10/2/2013	0	11/19/2013	11/20/2013	EV	Y	Y	Y	Y	176

€ Based on recall of parents

\* Afp.rec Data as of 27-03-2014

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	167
46	PESHAWAR	PESHAWAR	KP/30/13/059	M	86	6/13/2013	7+	Late Notified			Y	Y	Y	Y	287
47	PESHAWAR	PESHAWAR	KP/30/13/106	M	25	10/5/2013	7+	11/29/2013	11/30/2013	EV	N	Y	Y	Y	173
48	PESHAWAR	PESHAWAR	KP/30/13/098	F	26	11/1/2013	7+	11/20/2013	11/21/2013	NVI	Y	N	Y	Y	146
49	PESHAWAR	PESHAWAR	KP/30/13/114	M	14	10/15/2013	7+	Late Notified			N	Y	Y	Y	163
50	PESHAWAR	PESHAWAR	KP/30/13/115	M	21	11/20/2013	7+	12/19/2013	12/20/2013	NVI	Y	Y	Y	Y	127
51	PESHAWAR	PESHAWAR	KP/30/13/111	F	46	11/8/2013	7+	12/15/2013	12/16/2013	NVI	Y	Y	Y	Y	139
52	PESHAWAR	PESHAWAR	KP/30/13/122	M	12	12/1/2013	7+	1/15/2014	1/16/2014	EV	Y	Y	Y	Y	116
53	SHANGLA	MARTOONG	KP/26/13/001	M	72	1/8/2013	7+	Late Notified			Y	Y	Y	LOST	443
54	SWABI	SWABI	KP/41/13/035	M	36	9/15/2013	7+	Late Notified			Y	Y	Y	Y	193
55	SWABI	LAHORE	KP/41/13/048	M	17	10/23/2013	7+	11/24/2013	11/25/2013	EV	N	Y	Y	Y	155
56	SWABI	SWABI	KP/41/13/055	M	17	12/10/2013	7+	1/17/2014	1/20/2014	NVI	Y	Y	Y	Y	107
57	SWAT	SWAT	KP/24/13/006	F	132	4/2/2013	7+	4/10/2013		NVI	N	N	Y	DIED	359
58	SWAT	SWAT	KP/24/13/025	M	96	11/1/2013	3	Died Before Stool Collection			Y	N	Y	DIED	146
59	TANK	TANK	KP/63/13/009	M	13	8/2/2013	7+	9/6/2013	9/7/2013	NVI	N	N	Y	Y	237
60	BARKHAN	BARKHAN	BN/23/13/003	F	84	11/20/2013	0	Late Notified			Y	Y	Y	Y	127
61	DBUGTI	DERA BUGTI	BN/35/13/004	M	60	11/22/2013	7+	12/6/2013	12/10/2013	NVI	N	N	N	Y	125
62	JAFARABAD	SOHBAT PUR	BN/43/13/015	F	30	7/18/2013	7+	8/30/2013	8/31/2013	EV	Y	Y	Y	Y	252
63	MASTUNG	MASTUNG	BN/51/13/006	M	30	12/15/2013	4	1/30/2014	1/31/2014	NVI	Y	N	Y	Y	102
64	NSIRABAD	DMJAMALI	BN/41/13/010	M	18	9/8/2013	7+	Died Before Stool Collection			Y	N	Y	DIED	200
65	QUETTA	QUETTA CITY	BN/11/13/028	F	13	11/18/2013	7+	Died Before Stool Collection			Y	Y	Y	Y	129
66	BAGH	BAGH	AJ/50/13/012	F	34	12/22/2013	7+	1/14/2014	1/17/2014	NVI	Y	Y	Y	Y	95
67	GHIZER	PUNIAL	GB/41/13/001	M	66	9/2/2013	7+	9/6/2013		EV	N	Y	Y	DIED	206
68	BAJOUR	MAMUND	FT/33/13/007	M	45	1/2/2013	7+	Died Before Stool Collection			N	Y	Y	Y	449
69	BAJOUR	SALARZAI	FT/33/13/042	F	84	11/12/2013	7+	Died Before Stool Collection			Y	N	Y	DIED	135
70	BAJOUR	NAWAGAI	FT/33/13/040	F	48	9/30/2013	7+	11/25/2013	11/26/2013	VACC	Y	Y	N	LOST	178
71	FR BANNU	FR BANNU	FT/69/13/007	M	22	7/30/2013	3	8/28/2013	8/29/2013	EV	Y	Y	Y	Y	240
72	FR BANNU	FR BANNU	FT/69/13/012	M	9	8/10/2013	0	9/22/2013	9/23/2013	EV	Y	Y	Y	Y	229
73	FR BANNU	FR BANNU	FT/69/13/021	M	12	9/28/2013	0	10/30/2013	10/31/2013	NVI	Y	Y	Y	Y	180
74	KHYBER	JAMRUD	FT/34/13/017	M	14	6/8/2013	0	6/16/2013		NVI	Y	Y	Y	Y	292
75	KHYBER	BARA	FT/34/13/016	F	10	6/6/2013	0	6/21/2013	6/23/2013	NVI	Y	Y	Y	Y	294
76	KHYBER	BARA	FT/34/13/018	M	12	6/11/2013	0	7/1/2013	7/2/2013	EV	Y	Y	Y	Y	289
77	KHYBER	BARA	FT/34/13/021	F	18	7/13/2013	0	7/25/2013	7/29/2013	NVI	N	N	Y	Y	257
78	KHYBER	BARA	FT/34/13/037	M	13	9/26/2013	0	10/11/2013	10/12/2013	NVI	Y	Y	Y	Y	182
79	KHYBER	LANDI KOTAL	FT/34/13/039	M	18	10/9/2013	7+	Late Notified			Y	N	Y	Y	169
80	KHYBER	BARA	FT/34/13/043	F	36	10/17/2013	1	11/8/2013	11/9/2013	EV	Y	Y	Y	Y	161
81	KHYBER	LANDI KOTAL	FT/34/13/048	M	12	9/25/2013	7+	Late Notified			Y	Y	Y	Y	183
82	KHYBER	LANDI KOTAL	FT/34/13/049	M	11	10/25/2013	3	12/11/2013	12/12/2013	EV	N	N	Y	Y	153
83	KHYBER	LANDI KOTAL	FT/34/13/050	M	65	11/22/2013	7+	12/16/2013	12/18/2013	NVI	N	N	Y	Y	125
84	KHYBER	JAMRUD	FT/34/13/051	F	72	12/18/2013	7+	12/23/2013		NVI	N	N	Y	Y	99
85	KHYBER	JAMRUD	FT/34/13/054	M	30	12/23/2013	7+	1/1/2014		NVI	N	N	Y	Y	94
86	KHYBER	BARA	FT/34/13/052	F	60	11/20/2013	0	12/21/2013	12/22/2013	NVI	UK	Y	Y	Y	127
87	MOHMAND	UPPER MOHMAND	FT/35/13/003	F	18	4/18/2013	7+	5/7/2013	5/8/2013	NVI	Y	Y	Y	Y	343
88	MOHMAND	UPPER MOHMAND	FT/35/13/008	M	26	5/8/2013	7+	6/22/2013	6/23/2013	EV	Y	Y	Y	Y	323

€ Based on recall of parents

\* Afp.rec Data as of 27-03-2014

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	MIR ALI	FT/64/13/030	F	9	8/9/2013	0	Late Notified			Y	N	N		230
90	WAZIR-N	MIR ALI	FT/64/13/042	M	7	7/3/2013	0	8/29/2013	8/30/2013	EV	Y	N	Y		267
91	WAZIR-N	MIR ALI	FT/64/13/054	F	18	9/9/2013	2	Late Notified			Y	N	Y		199
92	WAZIR-N	MIR ALI	FT/64/13/090	M	12	9/20/2013	0	10/24/2013	10/25/2013	VACC	Y	Y	Y		188
93	WAZIR-N	MIR ALI	FT/64/13/101	F	10	10/20/2013	0	11/7/2013	11/9/2013	NVI	Y	Y	Y		158
94	WAZIR-N	RAZMAK	FT/64/13/111	F	24	10/22/2013	3	11/24/2013	11/25/2013	NVI	Y	N	Y		156
95	WAZIR-N	MIR ALI	FT/64/13/129	M	12	11/22/2013	0	12/16/2013	12/17/2013	EV	Y	Y	Y		125
96	WAZIR-S	WANA	FT/65/13/006	F	26	7/13/2013	7+	8/15/2013	8/16/2013	NVI	Y	Y	Y		257
97	WAZIR-S	LADHA	FT/65/13/012	F	36	10/1/2013	1	10/21/2013	10/22/2013	EV	Y	Y	Y		177
98	WAZIR-S	WANA	FT/65/13/005	F	12	4/25/2013	1	6/19/2013	6/20/2013	NVI	UK	N	UK		336
99	WAZIR-S	WANA	FT/65/13/010	F	23	9/21/2013	5	9/27/2013		NVI	Y	N	UK		187

€ Based on recall of parents  
\* Afp.rec Data as of 27-03-2014

60 days Follow-up not done

FUP = Residual Weakness at 60 days follow up.