



**World Health  
Organization**

# **Weekly AFP Surveillance Update Pakistan**

**Week 18** (*Ended on 03<sup>rd</sup> May, 2014*)

***National Surveillance Cell  
Federal EPI***

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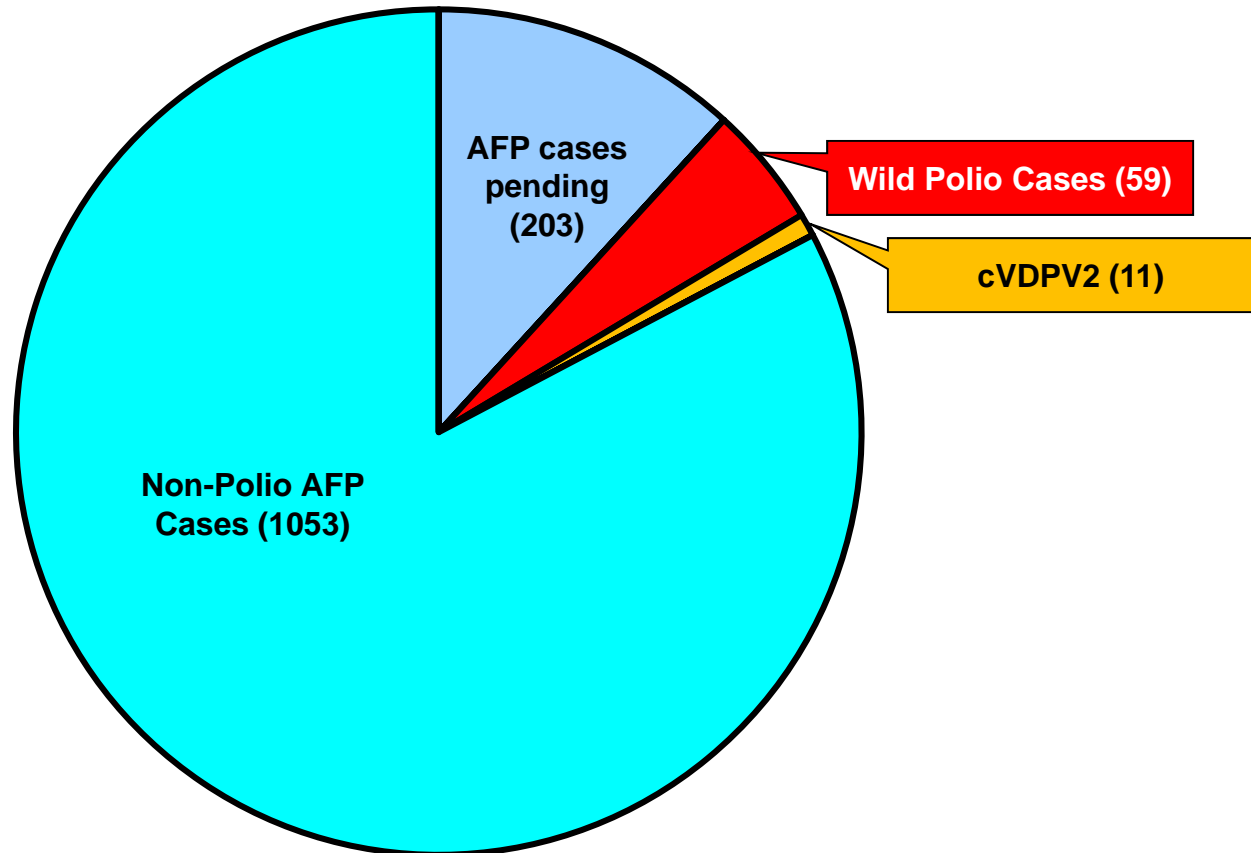
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AFP Surveillance



# AFP Case Profile, 2014\*



**Total AFP Cases Reported = 1326**

**^18 Inadequate cases pending classification by ERC;  
^56 Inadequate cases not due for FUP  
^129 Pending in the Lab**

\* Afp.rec Data as of 01-05-2014

## 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	9	3	2	19-Apr -14
FATA / FR Areas	2	46	2	4	20-Apr -14
Sindh	2	4	2	3	02-Apr-14
Balochistan	0	0	0	0	02-Oct-12
Punjab	1	0	1	0	12-Dec-13
<b>Pakistan</b>	<b>9</b>	<b>59</b>	<b>8</b>	<b>9</b>	<b>20-Apr-14</b>

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

\* Afp.rec Data as of 01-05-2014

**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	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 17-04-2014

**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	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/61/14/007	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	0	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	0	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 17-04-2014

**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	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	KARACHI	ORANGI	SD/75/14/005	F	22	30-Mar-14	0	0	Y	Y	Y	N	NSL1	R4B
48	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/064	F	18	02-Apr-14	0	0	Y	Y	Y	N	NSL1	
49	SINDH	KHIGADAP	GADAP	SD/63/14/006	F	11	26-Mar-14	0	0	Y	Y	Y	Y	NSL1	
50	KPAKHTUNKHWA	PESHAWAR	PESHAWAR	KP/30/14/032	F	6	27-Mar-14	0	0	Y	Y	Y	N	NSL1	
51	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/066	F	18	04-Apr-14	0	0	Y	N	Y	N	NSL1	
52	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/067	F	48	06-Apr-14	0	0	Y	Y	Y	N	NSL1	
53	FATA	WAZIR-S	WANA	FT/65/14/006	F	15	03-Apr-14	0	0	Y	Y	Y	N	NSL1	
54	SINDH	KHIGADAP	GADAP	SD/63/14/008	m	7	02-Apr-14	0	0	Y	N	Y	N	NSL1	
55	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/068	F	78	09-Apr-14	0	0	Y	Y	Y	Y	NSL1	
56	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/070	F	11	10-Apr-14	0	0	Y	Y	Y	N	NSL1	
57	KPAKHTUNKHWA	BANNU	BANNU	KP/61/14/012	M	10	19-Apr-14	0	0	Y	Y	Y	N	NSL1	
58	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/073	M	14	20-Apr-14	0	0	Y	Y	Y	N	NSL1	
59	FATA	WAZIR-N\$	MIRAN SHAH	FT/64/14/072	M	14	11-Apr-14	0	0	Y	Y	Y	N	NSL1	

\$ Security compromised area

**New Case**

^Under investigation

\* Afp.rec Data as of 01-05-2014

**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	270	1	0	35	10	42	11%	18	365	99%
March	385	257	5	0	41	11	65	17%	14	377	98%
April	306	84	169	5	3	1	34	11%	10	131	43%
Pakistan	1442	878	180	5	104	7	210	15%	59	1251	87%

\* Data as of 05-05-2014

## 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 (Yr)	Sex	Date of 1st stool	Stool Adeq	Rt	S1As	Last 6 S1As	Last dose	By Field	By NSCV		Lab No.	Days Inoc	Culture update	
<b>Isolates pending for ITSD</b>																				
1	WAZIR-N	MIRAN SHAH	SHOI KHEL	FT/64/14/074	12-Apr-14	22	F	21-Apr-14	Y	0	0	0		Y	N	GBS/ POLIO	1714	4	SL2	Waiting rRT-PCR for VDPV screening
2	HANGU	HANGU	MUHAMMAD	KP/54/14/004	15-Apr-14	26	M	19-Apr-14	Y	0	7+	6		N		GBS	1663	9	L20B+	
3	MULTAN	MULTAN SADDAR	DOOMRA	PB/61/14/032	14-Apr-14	56	M	19-Apr-14	Y	3	7+	6	26-Mar-14	N	N	ARTHRITIS	1669	7	L20B+	
4	KHIGADAP	GADAP	8	SD/63/14/010	08-Apr-14	18	F	15-Apr-14	Y	3	7+	6	30-Mar-14	N	N	GBS	1652	7	L20B+	
5	LARKANA	BAKRANI	MADBAHOO	SD/51/14/012	17-Apr-14	48	M	20-Apr-14	Y	3	10	6	25-Mar-14	N	N	PYOGENIC MENINGITIS	1706	4	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



# Environmental Surveillance Results, Pakistan (Last 52 weeks)

Sites	Proportion of Positive samples					2014																																																														
	2011		2012		2013		2014		Jun					Jul					Aug					Sep					Oct					Nov					Dec					Jan					Feb					Mar					Apr					May				
	%	n	%	n	%	n	%	n	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19							
<b>PUNJAB</b>	61	33	9	8	3																																																															
<b>MULTAN</b>	58	11	6	0	0																																																															
Ali Town	50	17	8	0	0																																																															
Kotla A. Fateh	50	8	0	0	0																																																															
Suraj Miani	75	8	8	0	0																																																															
<b>LAHORE</b>	53	50	7	11	2																																																															
Gulshan Ravi Station	42	42	8	0	0																																																															
Multan Road Station	58	50	8	0	0																																																															
Outfall Pump Station F	58	0	25	1																																																																
Outfall Pump Station G		8	25	1																																																																
Outfall Pump Station H		8	0	0																																																																
<b>FAISALABAD</b>	3	2	0	0																																																																
Pump Station 03	8	6	0	0																																																																
Pump Station 27	0	0	0	0																																																																
Ismail City Road	0	0	0	0																																																																
<b>RAWALPINDI</b>	92	58	50	33	1																																																															
Dhok Dallal					0																																																															
Safdarabad	92	58	50	33	1																																																															
<b>SINDH</b>	64	36	25	47	16																																																															
<b>KHI (BALDIA)</b>	46	4	13	67	4																																																															
Kumhar Wara	58	8	0	67	2																																																															
Sajjan Goth	33	0	25	67	2																																																															
<b>KHI (G.IQBAL)</b>	58	17	21	86	6																																																															
Chakora Nulla	50	25	0	75	3																																																															
Rashid Minhas Rd	67	8	42	100	3																																																															
<b>KHI (GADAAP)</b>	88	67	41	60	6																																																															
Khamiso Goth	92	50	8	0	0																																																															
Macchar Colony		70	75	3																																																																
Sorab Goth	83	83	50	100	3																																																															
<b>SUKKUR</b>	41	0	0	0																																																																
Makka P.Station	38	0	0	0																																																																
Miani P.Station	44	0	0	0																																																																
<b>HYDERABAD</b>	100	58	0	0																																																																
Tulsidas P. Station	100	58	0	0																																																																
<b>KP</b>	79	83	88	57	4																																																															
<b>PESHAWAR</b>	79	83	88	57	4																																																															
Lara Ma	67	75	75	33	1																																																															
Shaheen Town	92	92	100	75	3																																																															
<b>BALUCHISTAN</b>	83	14	6	18	2																																																															
<b>QUETTA</b>				18	2																																																															
Jam-e-Salfia	75	17	0	0	0																																																															
Killi Jattak	92	17	9	33	1																																																															
Surpul	0	8	33	1																																																																
<b>ISLAMABAD</b>	Started from week 12 of 2014																																																																			
<b>CDA</b>				0	0																																																															
Sabzi Mandi				0	0																																																															
<b>PAKISTAN</b>	67	37	20	27	25																																																															

Negative ■    Positive ■    cVDPV2 ▨    cVDPV2+WPV ▨    Under process ■

Note: 4 unscheduled samples in 2014 from Peshawar are excluded

## Comparison environmental sampling results 2013-14\*

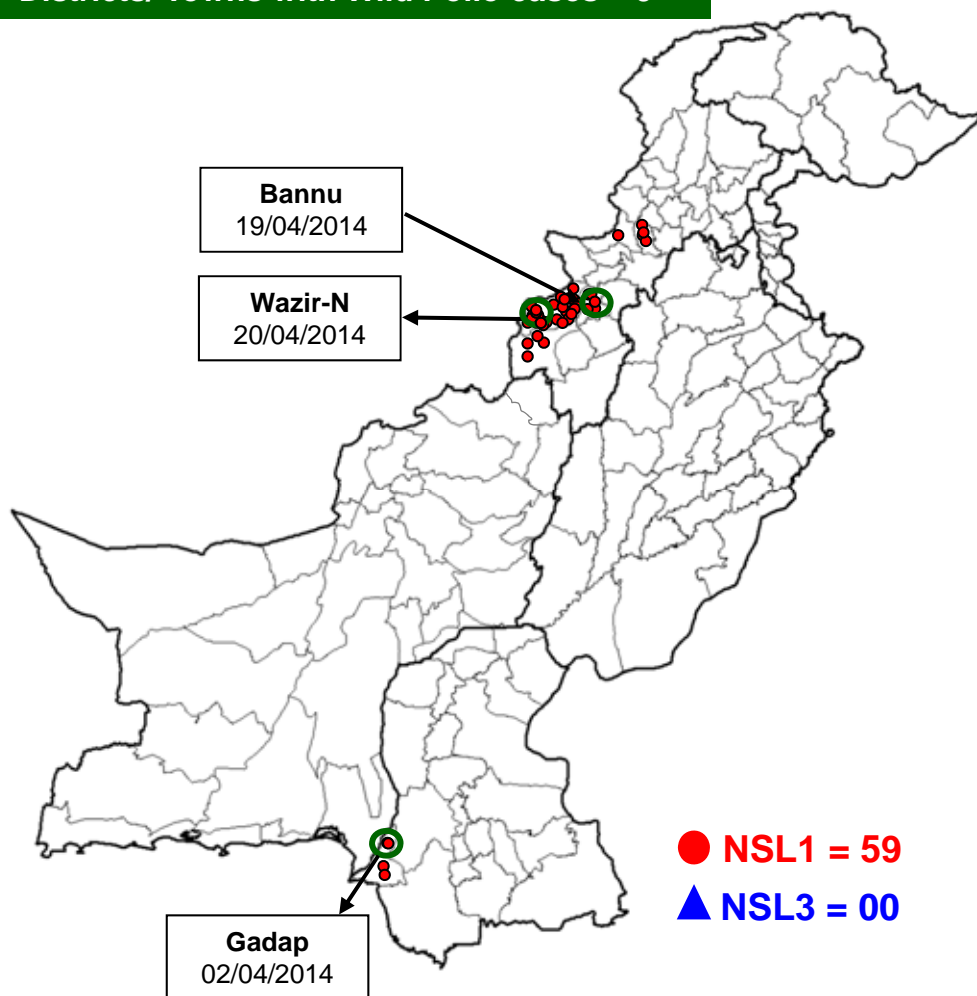
DISTRICT	2013			2014			Last
	TOTAL	WILD		TOTAL	WILD		
	n	n	%	n	n	%	
LAHORE	20	0	0%	18	2	11%	12-Apr-14
MULTAN	12	0	0%	11	0	0%	09-Dec-13
RAWALPINDI	4	1	25%	4	1	25%	28-Jan-14
FAISALABAD	12	1	8%	9	0	0%	03-Jan-13
KHIGIQBAL	9	0	0%	7	6	86%	01-Apr-14
KHIGADAP	10	3	30%	10	6	60%	08-Apr-14
KHIBALDIA	8	0	0%	6	4	67%	20-Mar-14
SUKKUR	8	0	0%	8	0	0%	05-Sep-12
HYDERABAD	4	4	100%	3	0	0%	12-Aug-13
PESHAWAR	8	7	88%	7	4	57%	10-Apr-14
QUETTA	11	1	9%	9	2	22%	31-Mar-14
<b>PAKISTAN</b>	<b>106</b>	<b>17</b>	<b>16%</b>	<b>92</b>	<b>25</b>	<b>27%</b>	<b>12-Apr-14</b>

\* Data as of 28-04-2014

Note: 4 unscheduled samples in 2014 from Peshawar are excluded

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

Districts/ Towns with Wild Polio cases = 9



Province/ Country	Date of Last Case		Number of cases 2013	
	P1	P3	P1	P3
PUNJAB	Dec, 2013	Jun, 2010	-	-
SINDH	April, 2014	Jan, 2010	4	-
KHYBER- PAKHTUNKHWA	April, 2014	Oct, 2010	9	-
FATA	April, 2014	Apr, 2012	46	-
BALUCHISTAN	Oct, 2012	Apr, 2010	-	-
AJK	June, 2000	Jun, 2000	-	-
GILGIT-BALTISTAN	Aug, 2012	-	-	-
ISLAMABAD	Sep, 2008	Sep, 2008	-	-
<b>PAKISTAN</b>	<b>April, 2014</b>	<b>Apr, 2012</b>	<b>59</b>	<b>-</b>

○ District with last polio case in province

Cases randomly placed  
in districts

— Provincial Boundary  
— Districts Boundary

\* Afp.rec Data as of 01-05-2014

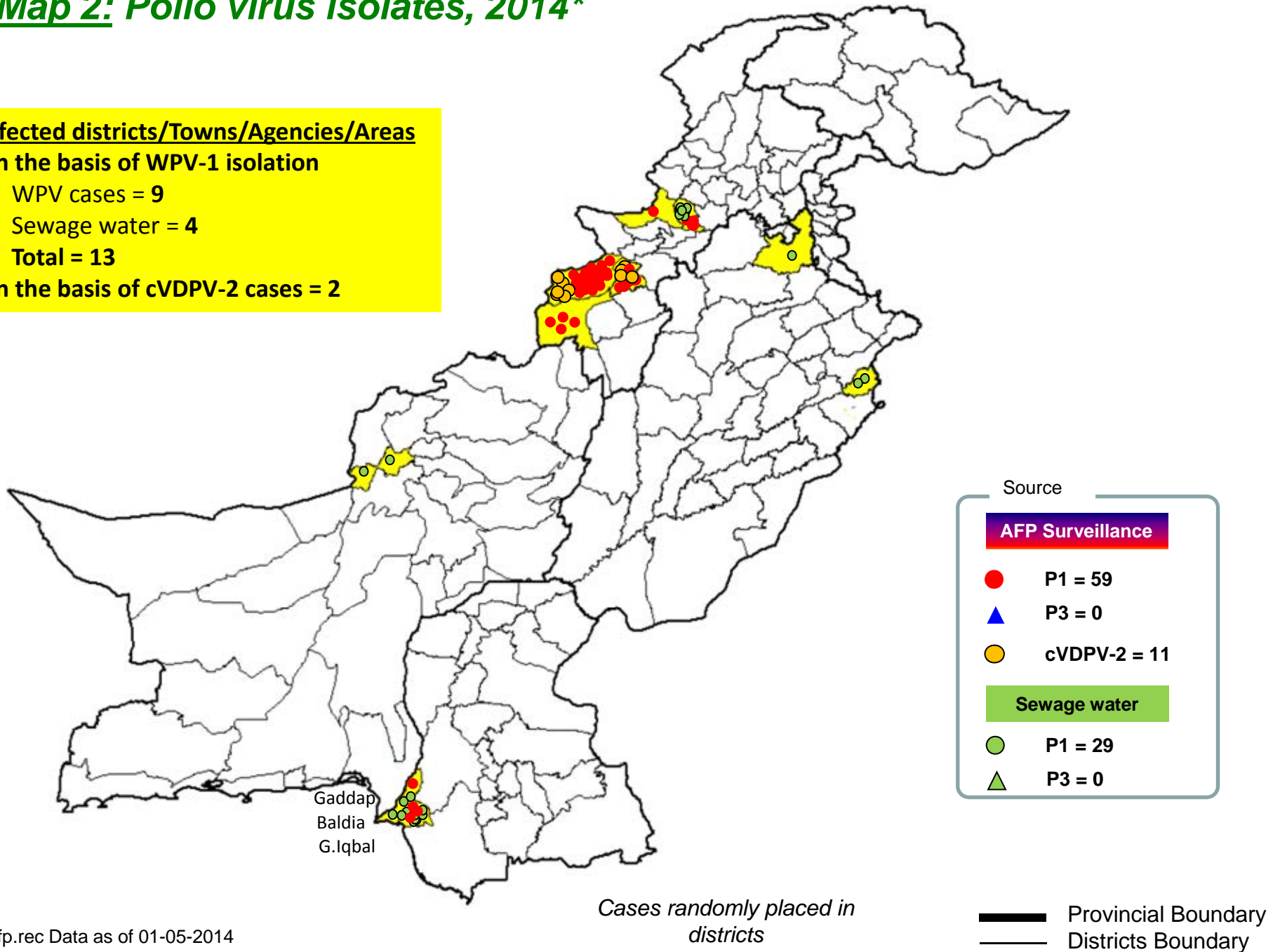
## Map 2: Polio virus isolates, 2014\*

### Infected districts/Towns/Agencies/Areas

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

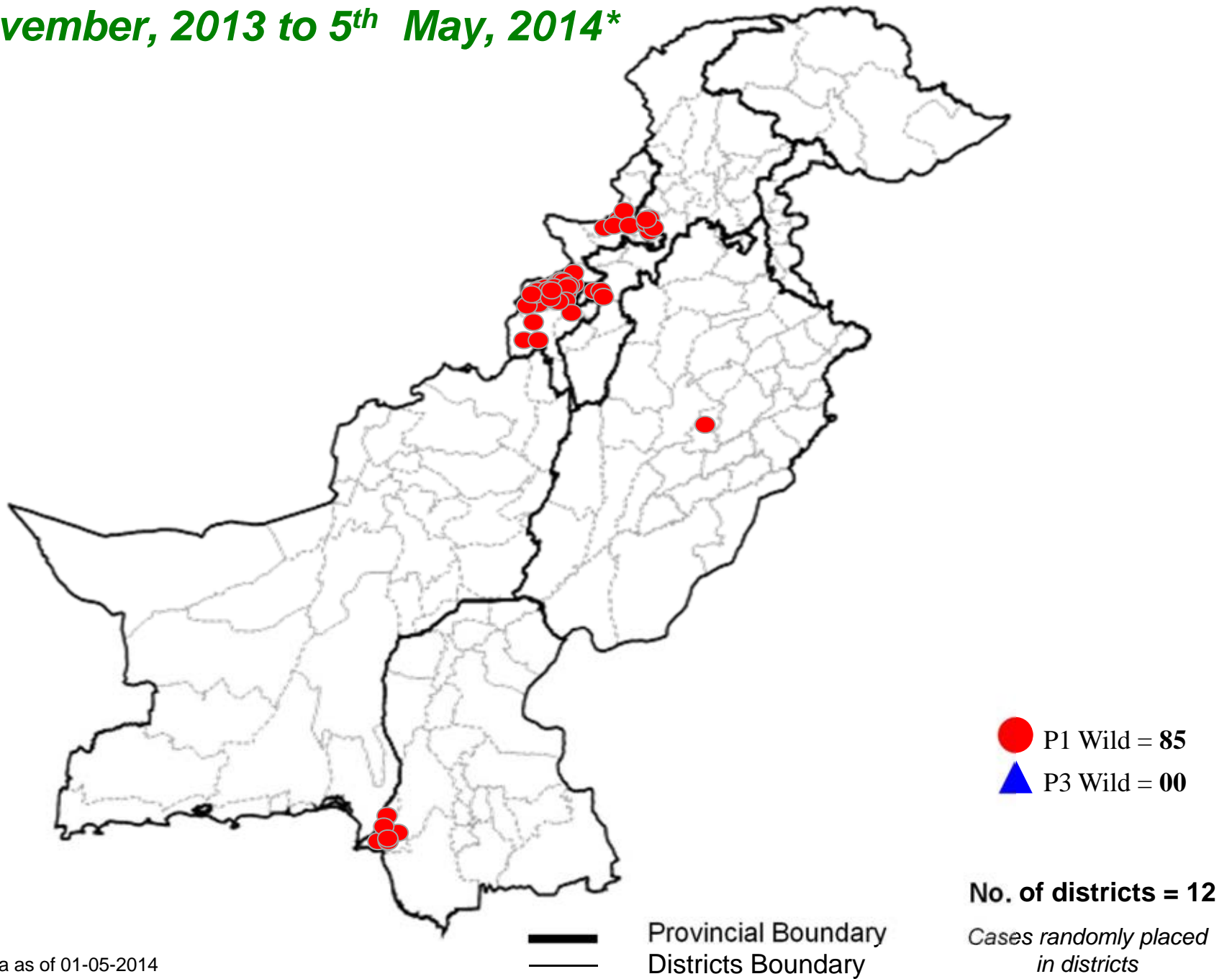
- WPV cases = 9
- Sewage water = 4
- Total = 13

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



\* Afp.rec Data as of 01-05-2014

**Map 3: Wild Polio cases in the last 6 months from 4<sup>th</sup> November, 2013 to 5<sup>th</sup> May, 2014\***



\* Afp.rec Data as of 01-05-2014

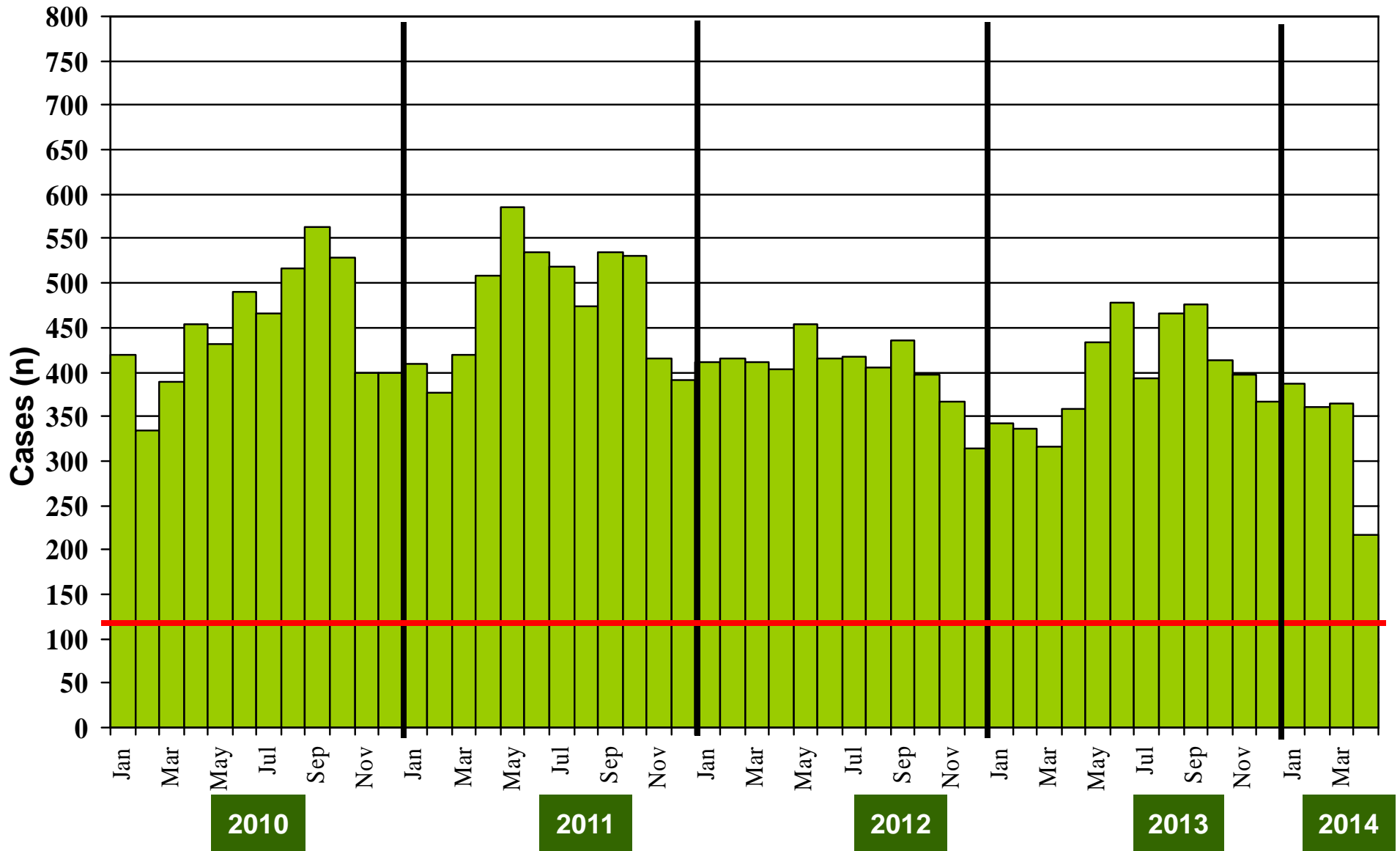
**Table 4: Distribution of AFP Cases By Week of Onset ^  
Pakistan 2013-14\* [Week number/Ending on]**

PROVINCE	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	W 14 05 Apr 2014	W 15 12 Apr 2014	W 16 19 Apr 2014	W 17 26 Apr 2014
PUNJAB	51	52	37	39	42	34	46	38	31	50	40	35	32	52	26
SINDH	17	19	8	20	23	17	20	23	19	25	27	24	20	18	12
KP	12	19	19	24	12	23	18	17	19	19	15	15	13	17	10
FATA	7	6	10	11	12	6	6	7	5	7	7	7	6	4	2
BALUCHISTAN	5	7	9	2	5	5	1	3	1	2	4	0	1	0	4
AJK	0	1	0	2	1	2	1	1	0	0	0	0	0	0	0
GILGIT BILTISTAN	0	0	0	0	0	3	0	0	0	0	0	0	0	1	0
ISLAMABAD	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
<b>PAKISTAN</b>	<b>92</b>	<b>104</b>	<b>83</b>	<b>99</b>	<b>95</b>	<b>90</b>	<b>92</b>	<b>89</b>	<b>75</b>	<b>103</b>	<b>93</b>	<b>81</b>	<b>72</b>	<b>92</b>	<b>54</b>

\* Afp.rec & Afplab.rec: Data as of 01-05-2014

^ MMWR Epidemiological Weeks

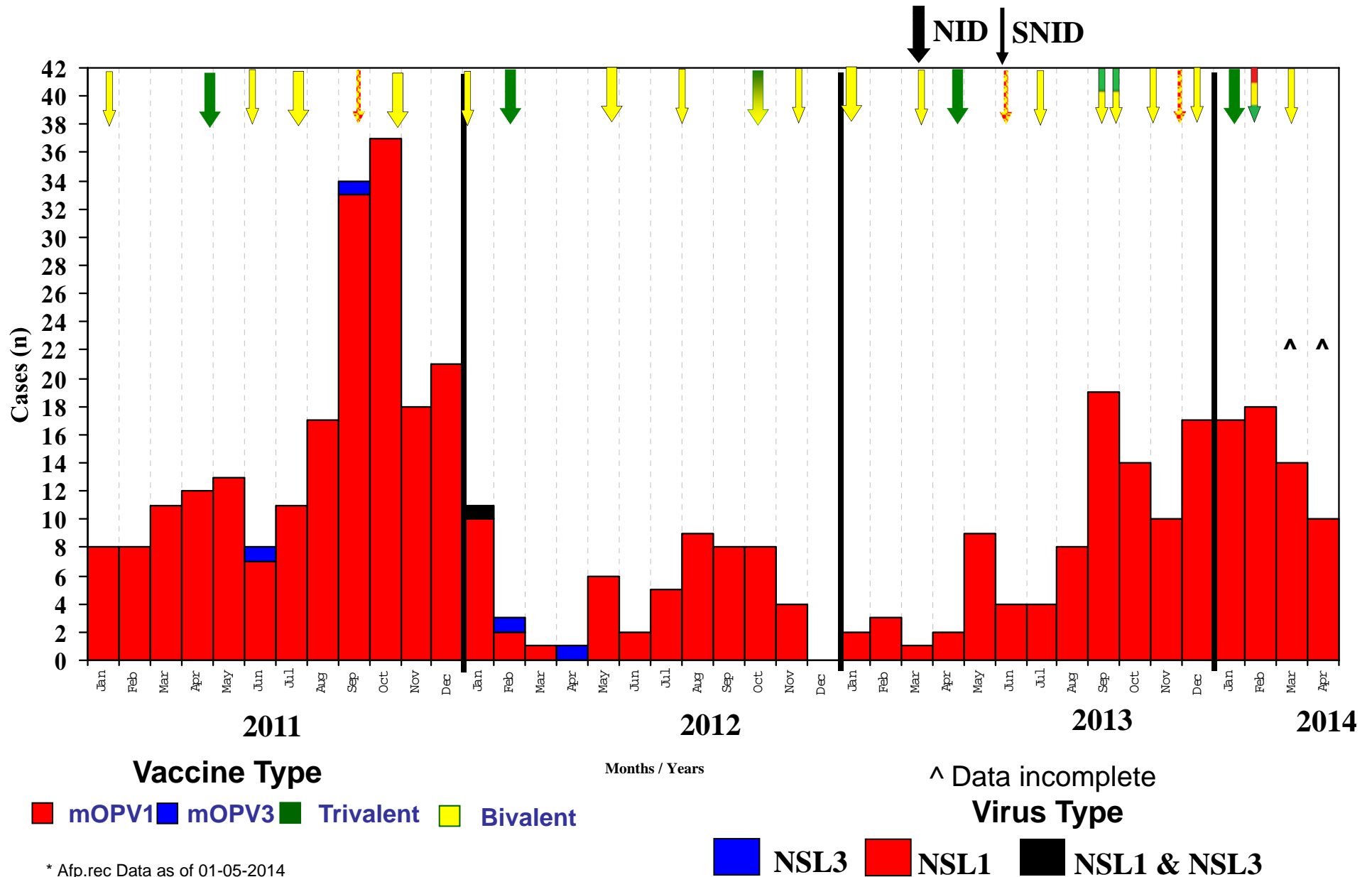
**Graph 1: Distribution of AFP Cases by Month, Pakistan 2010-2014\***



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

\* Afp.rec Data as of 01-05-2014

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

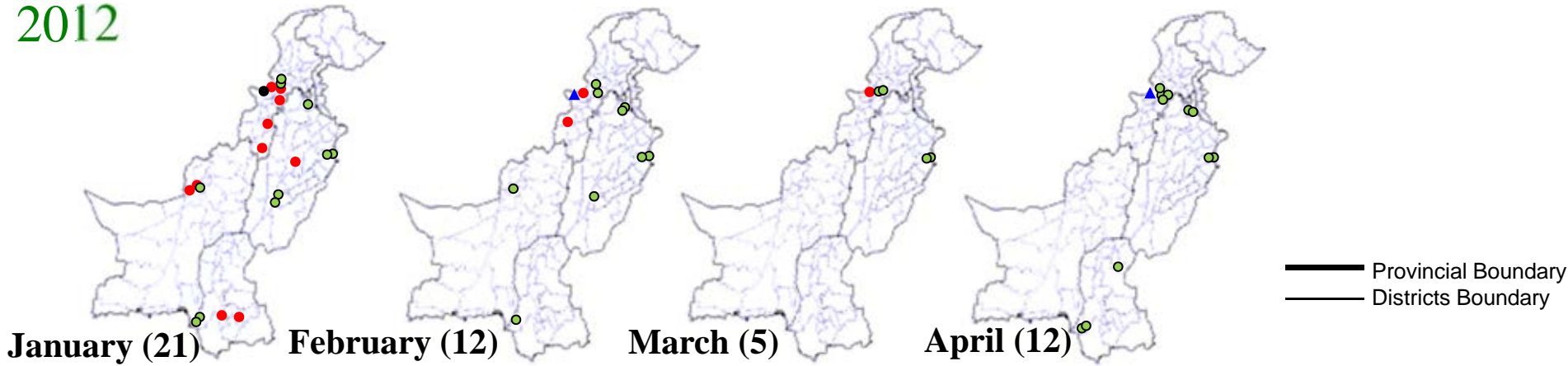


\* Afp.rec Data as of 01-05-2014

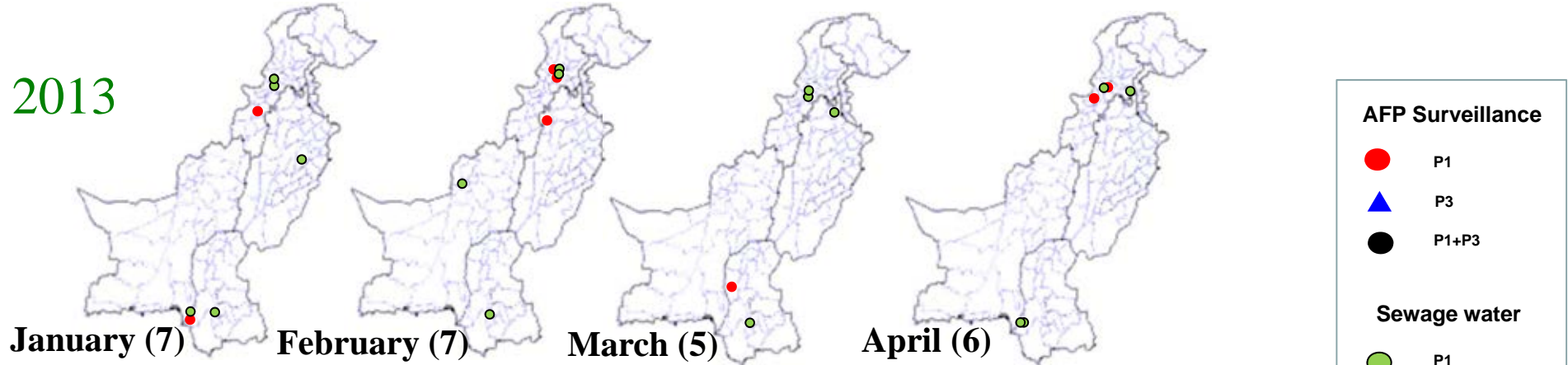


# Map 4: Monthly Comparison of P1 & P3 Polio Cases/Isolates 2012-2014\*

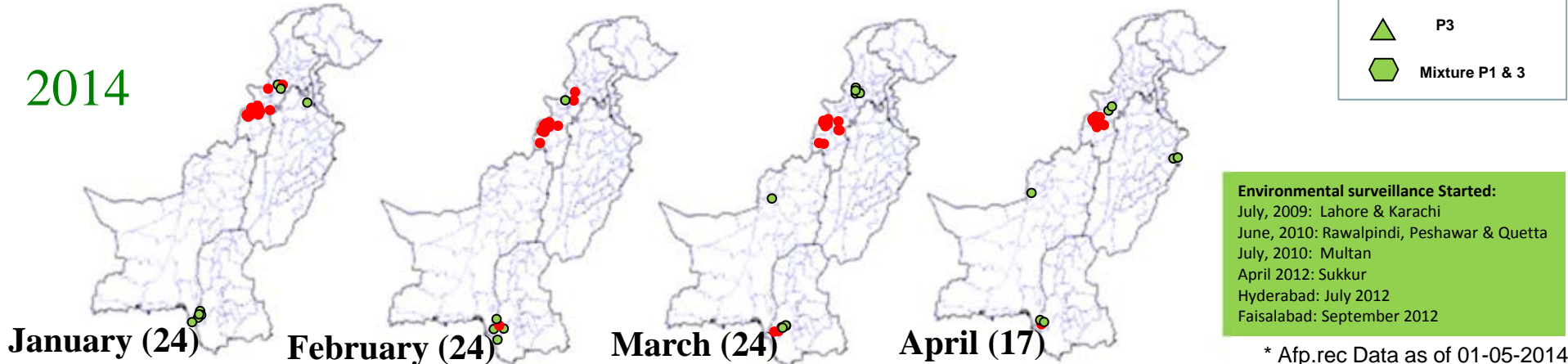
2012



2013



2014



**AFP Surveillance**

- P1
- ▲ P3
- P1+P3

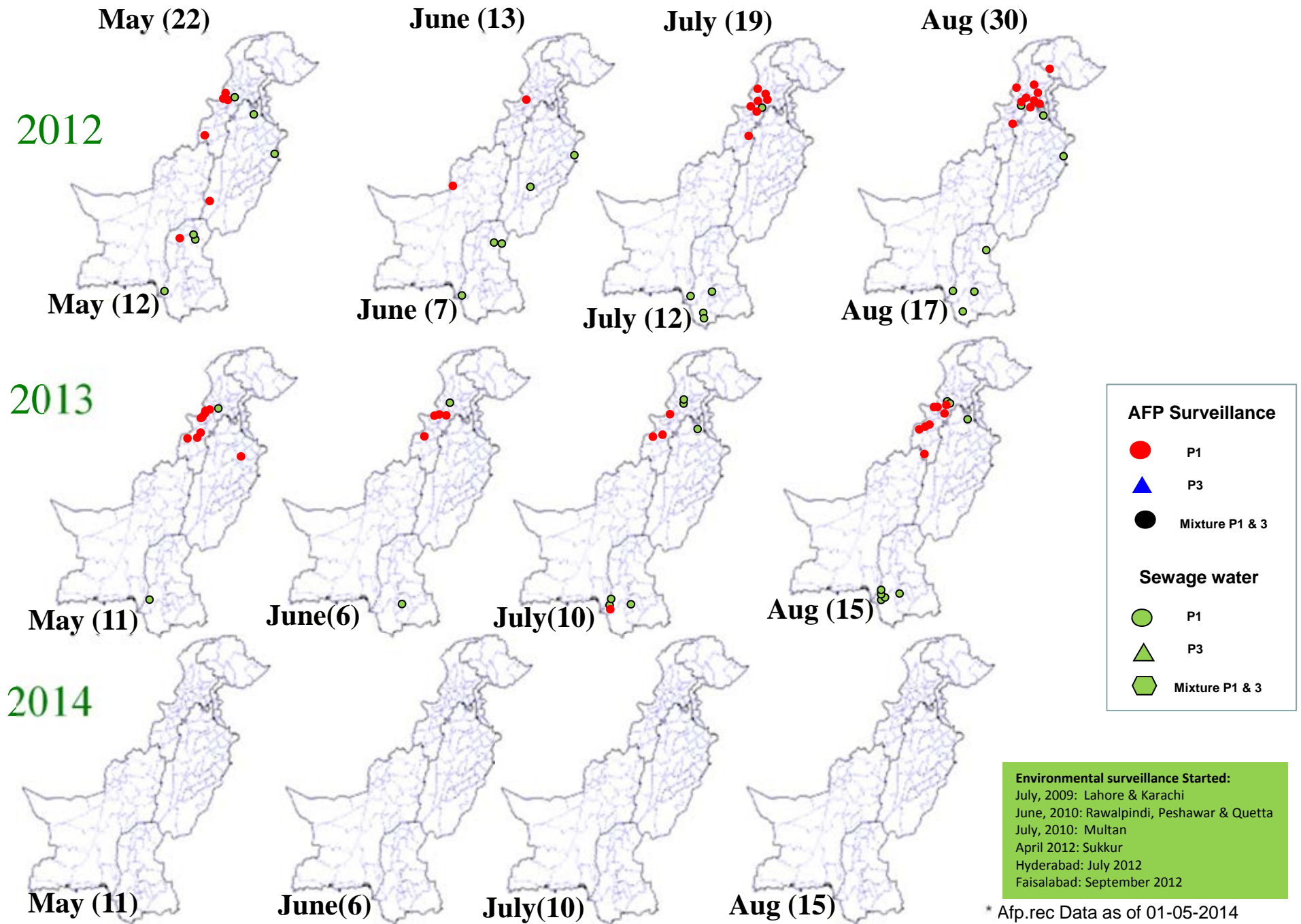
**Sewage water**

- 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

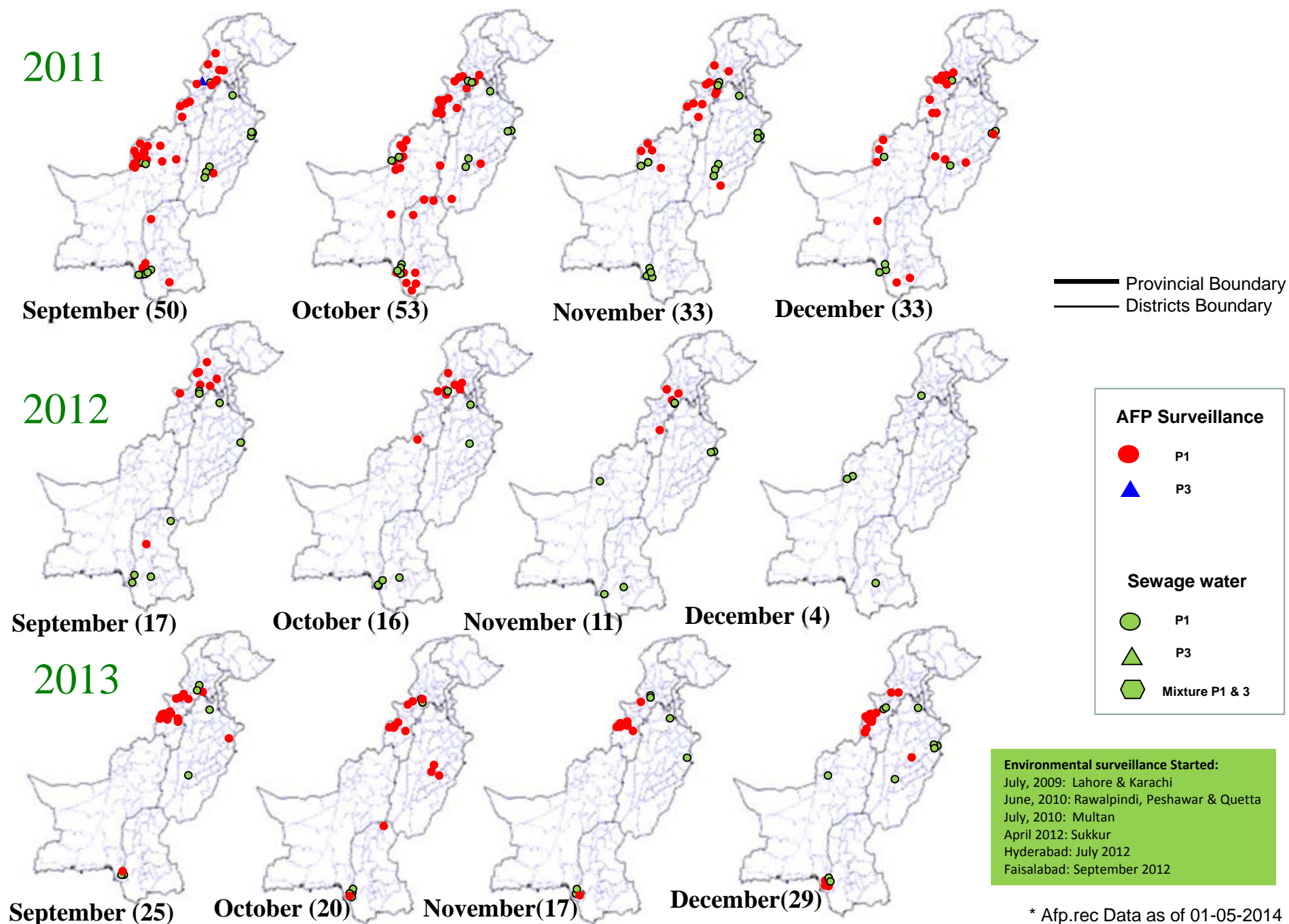
\* Afp.rec Data as of 01-05-2014

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



\* Afp.rec Data as of 01-05-2014

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

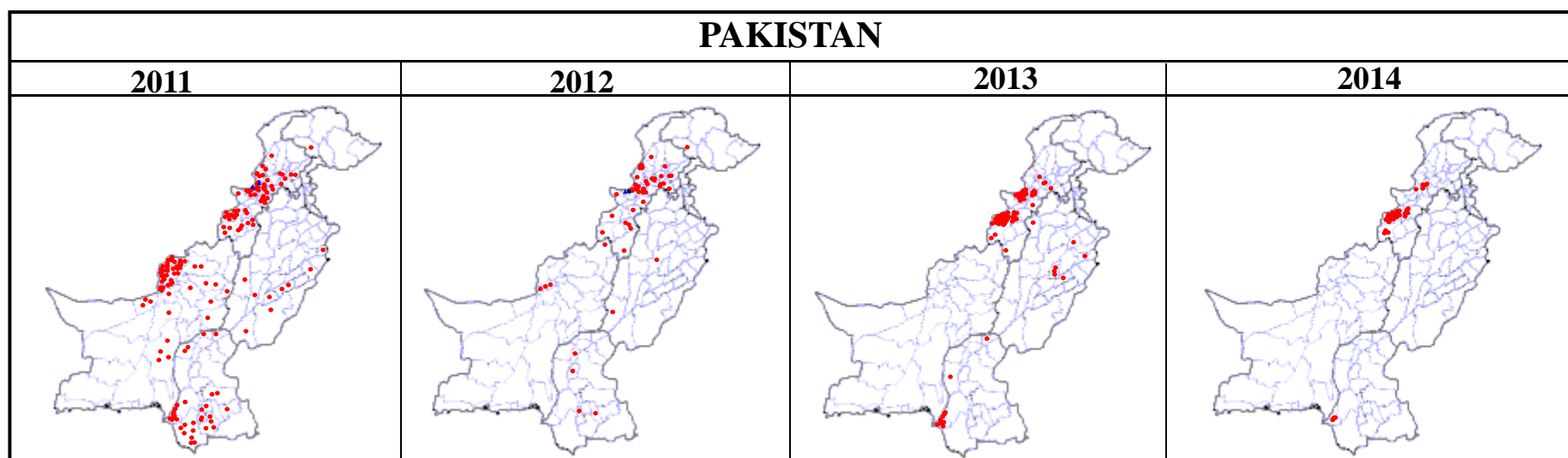


\* Afp.rec Data as of 01-05-2014

## 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	4	0	-	-	-	33	4	10	4
KP	23	27	11	9	0	-	-	-	23	27	11	9
FATA^	57	17	65	46	2	2	-	-	59	20^	65	46
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>59</b>	<b>2</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>198</b>	<b>58</b>	<b>93</b>	<b>59</b>

^ FATA reported mixture of NSL1 & NSL3



\* Afp.rec Data as of 01-05-2014

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

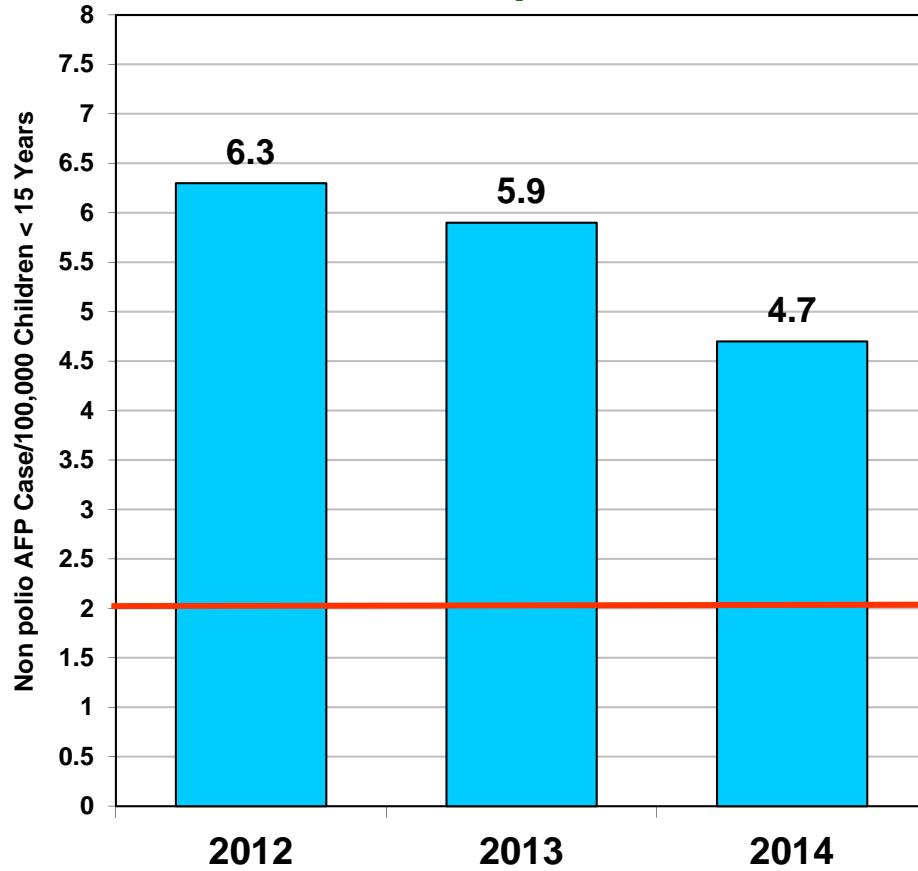
REGION	0 dose				1-2 doses				3 doses				4-6 doses				7+ doses			
	11	12	13	14	11	12	13	14	11	12	13	14	11	12	13	14	11	12	13	14
Central Punjab	0%	0%	0%	1%	1%	0%	0%	0%	2%	0%	1%	3%	6%	4%	7%	3%	92%	95%	91%	93%
North Punjab	0%	0%	0%	0%	1%	0%	0%	2%	1%	0%	0%	2%	5%	4%	4%	5%	93%	96%	96%	92%
South Punjab	0%	0%	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>1%</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%	6%	6%	6%	5%	86%	90%	88%	86%	
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%	0%	0%	2%	1%	0%	6%	4%	7%	4%	96%	93%	91%	96%
<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>1%</b>	<b>6%</b>	<b>4%</b>	<b>6%</b>	<b>4%</b>	<b>92%</b>	<b>93%</b>	<b>92%</b>	<b>93%</b>
Central Khyber Pakhtunkhwa	1%	2%	2%	0%	1%	1%	1%	0%	0%	0%	1%	3%	3%	2%	2%	4%	95%	95%	95%	94%
North Khyber Pakhtunkhwa	1%	2%	1%	4%	2%	2%	1%	0%	1%	2%	1%	2%	7%	9%	7%	4%	90%	85%	91%	91%
South Khyber Pakhtunkhwa	2%	2%	1%	0%	4%	1%	0%	0%	4%	1%	1%	0%	7%	9%	4%	0%	83%	87%	95%	100%
<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>2%</b>	<b>5%</b>	<b>6%</b>	<b>4%</b>	<b>3%</b>	<b>91%</b>	<b>89%</b>	<b>94%</b>	<b>94%</b>
<b>FATA</b>	<b>14%</b>	<b>18%</b>	<b>39%</b>	<b>63%</b>	<b>10%</b>	<b>6%</b>	<b>6%</b>	<b>8%</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>29%</b>
North Balochistan	4%	12%	9%	0%	12%	10%	11%	0%	23%	3%	3%	17%	12%	17%	28%	0%	50%	57%	49%	83%
Quetta Block	31%	14%	8%	0%	10%	10%	8%	14%	3%	0%	0%	0%	14%	14%	21%	0%	43%	62%	64%	86%
Rest of Balochistan	7%	9%	5%	0%	2%	6%	3%	0%	5%	5%	5%	19%	10%	10%	25%	6%	76%	70%	60%	75%
<b>BALOCHISTAN</b>	<b>16%</b>	<b>8%</b>	<b>6%</b>	<b>0%</b>	<b>6%</b>	<b>8%</b>	<b>6%</b>	<b>3%</b>	<b>6%</b>	<b>3%</b>	<b>4%</b>	<b>8%</b>	<b>12%</b>	<b>17%</b>	<b>20%</b>	<b>3%</b>	<b>60%</b>	<b>64%</b>	<b>64%</b>	<b>86%</b>
<b>PAKISTAN</b>	<b>2%</b>	<b>1%</b>	<b>3%</b>	<b>2%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>	<b>6%</b>	<b>5%</b>	<b>6%</b>	<b>6%</b>	<b>89%</b>	<b>92%</b>	<b>89%</b>	<b>90%</b>

\* Afp.rec Data as of 01-05-2014

# Key Surveillance Indicators; 2012-2014\*

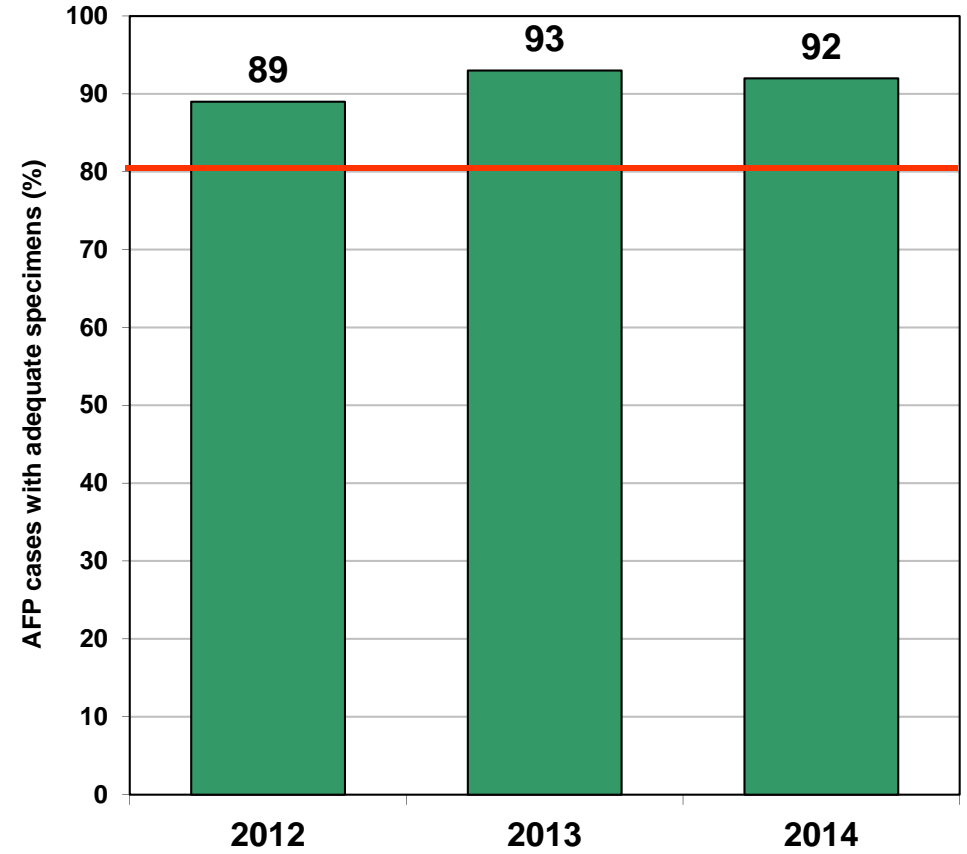
(Non polio AFP rate and % AFP cases with adequate specimens)

**Graph 3**



■ Non Polio AFP Rate

**Graph 4**



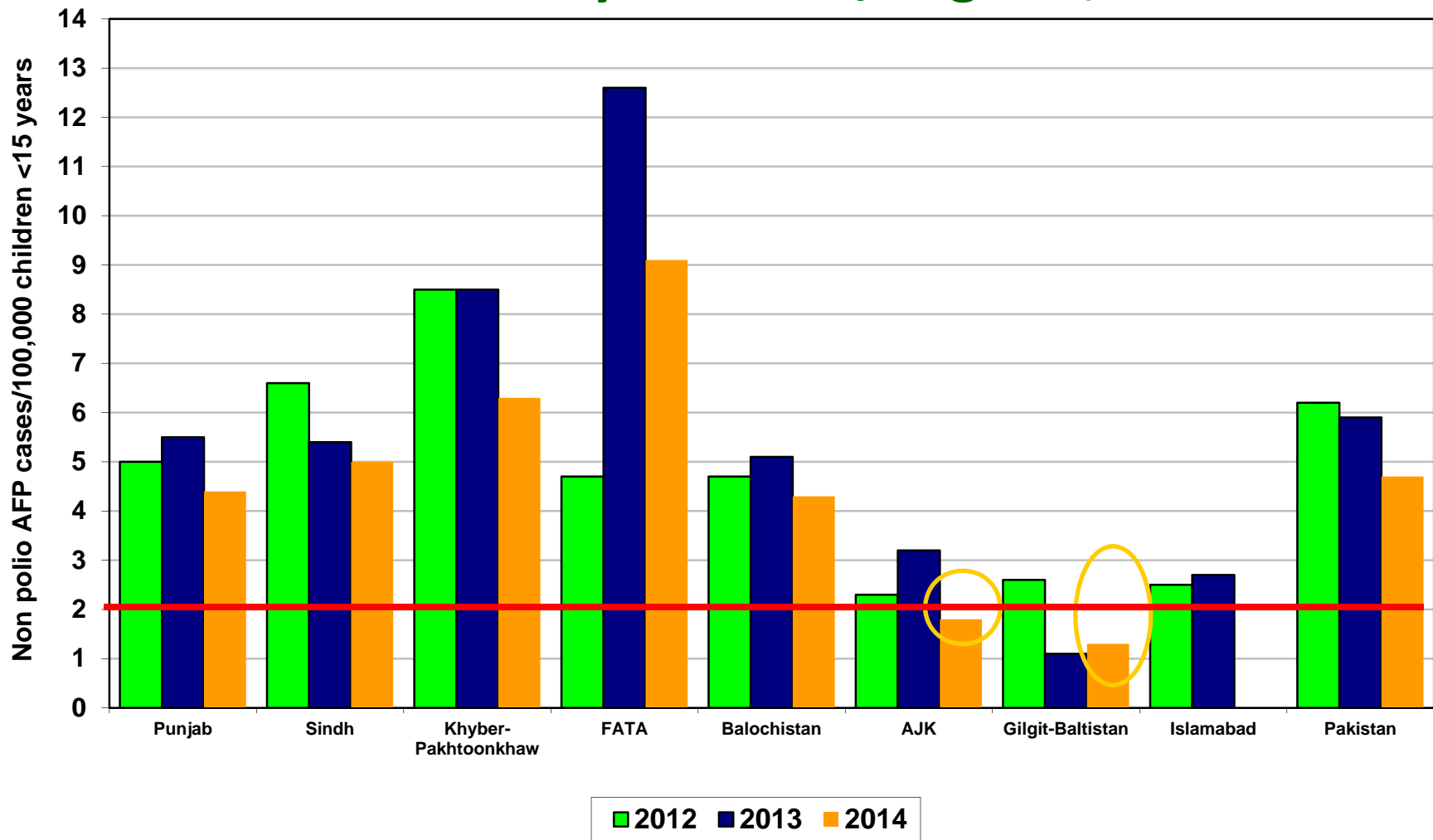
■ % AFP with Adequate Specimens

— Target

Non Polio AFP rate Up to Week No. 17 ended on 26<sup>th</sup> April, 2014

\* Afp.rec Data as of 01-05-2014

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

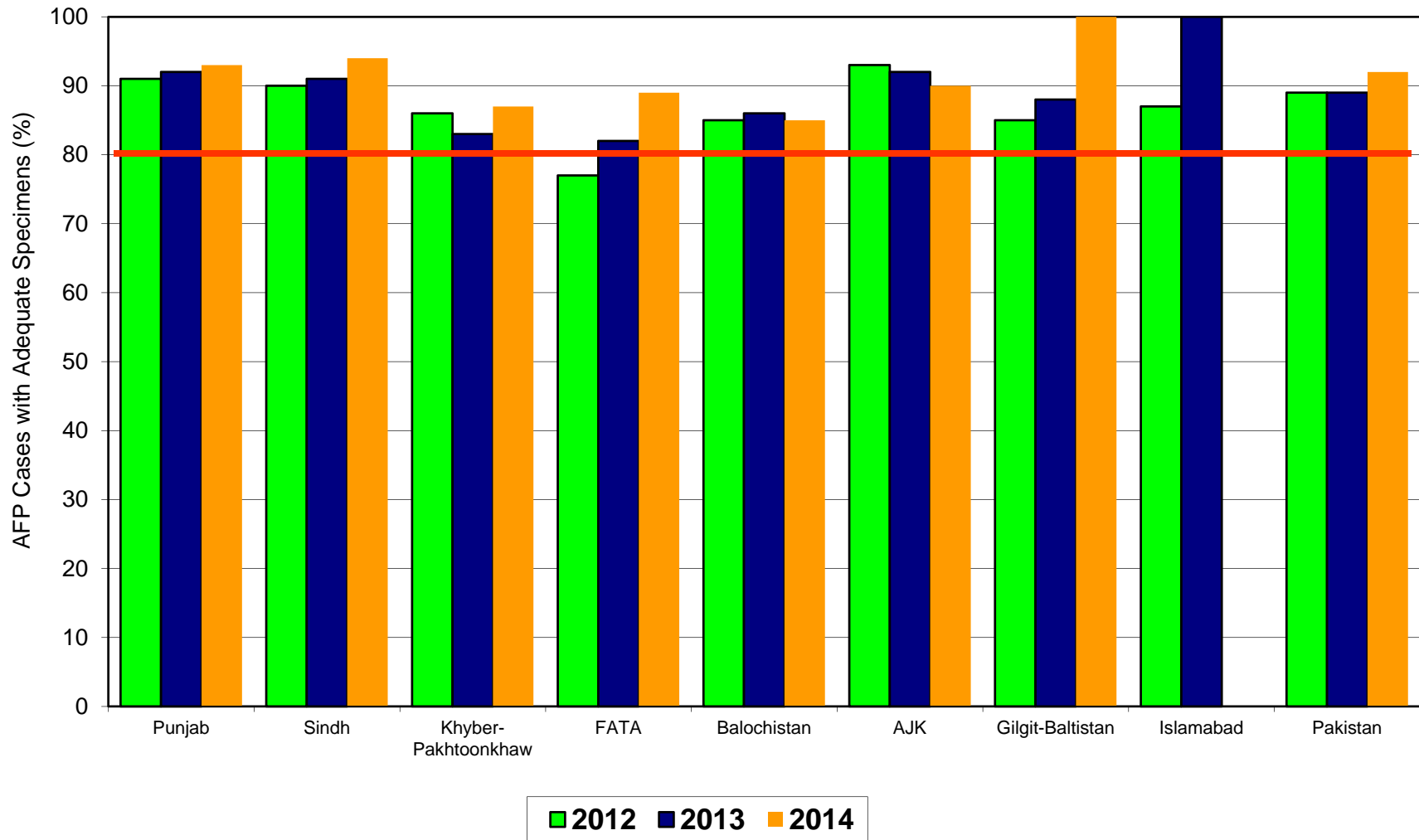


Non Polio AFP rate Up to Week No. 17 ended on 26<sup>th</sup> April, 2014

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

\* Afp.rec Data as of 01-05-2014

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

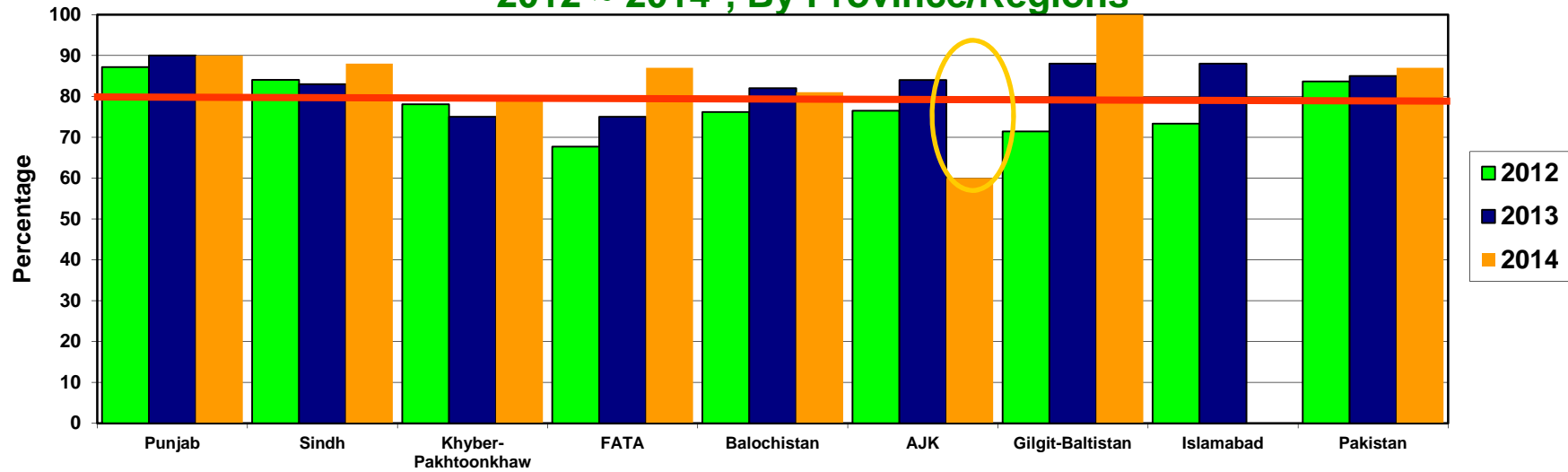


\* Afp.rec Data as of 01-05-2014

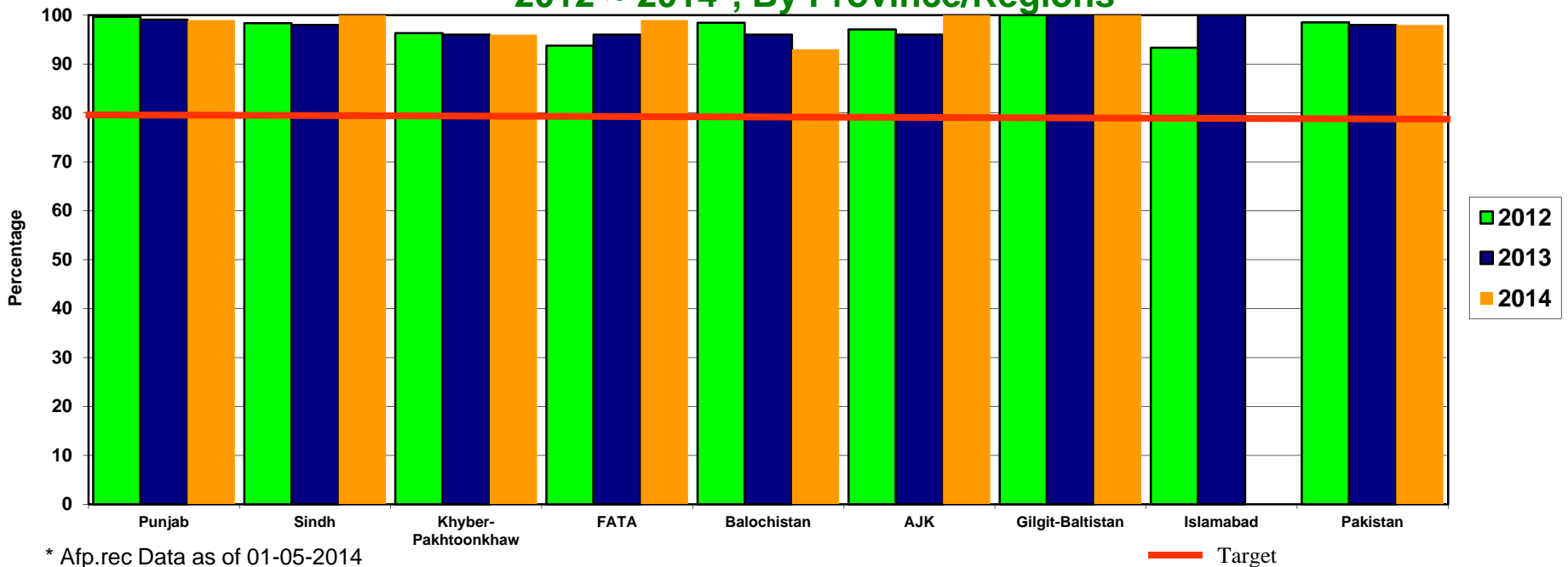
Target Adequate Sample cases = 80%



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



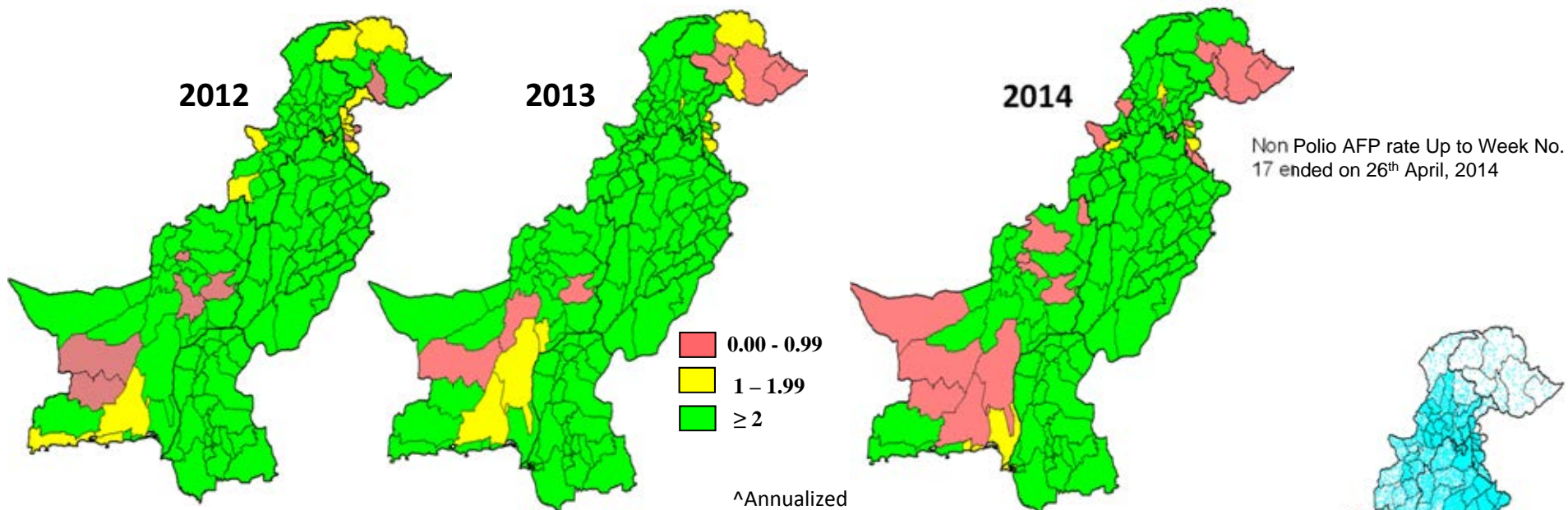
**Graph 6: Percent AFP Cases Investigated within 48 hours of notification  
2012 ~ 2014\*, By Province/Regions**



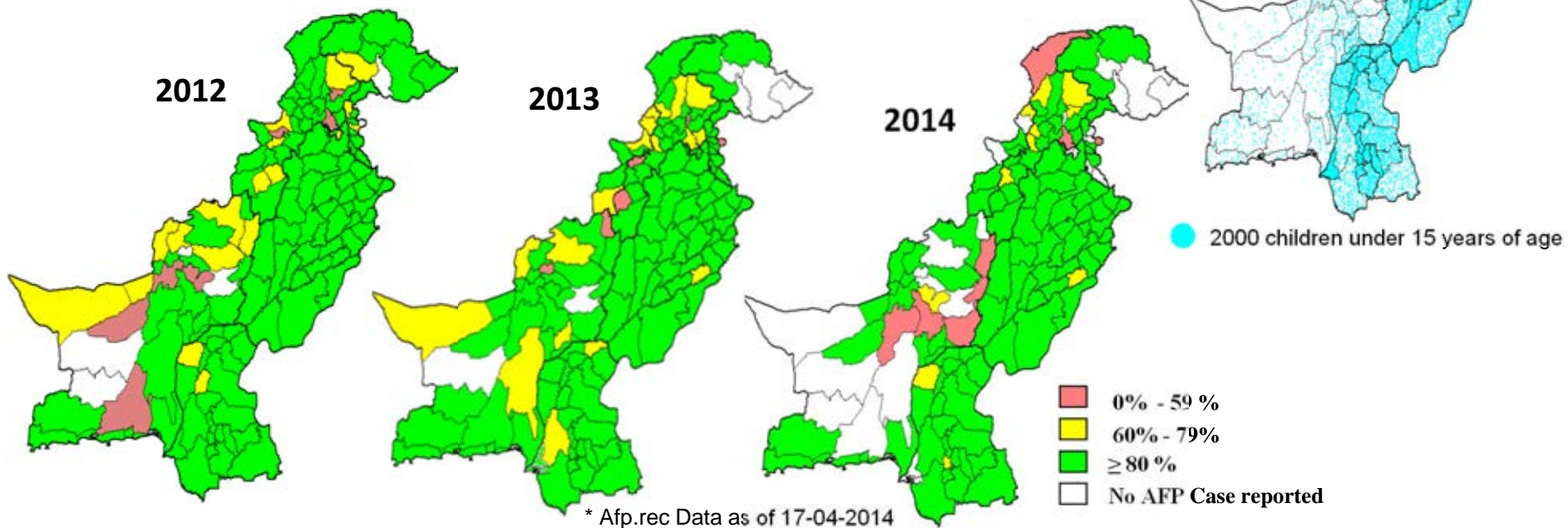
\* Afp.rec Data as of 01-05-2014

— 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	251
2	KHIGADAP	GADAP	SD/63/13/031	M	14	7/15/2013	7+	Late Notified			Y	Y	Y	Y	290
3	BAGH	BAGH	AJ/50/13/012	F	34	12/22/2013	7+	1/14/2014	1/17/2014	NVI	Y	Y	Y	Y	130
4	GHIZER	PUNIAL	GB/41/13/001	M	66	9/2/2013	7+	9/6/2013		EV	N	Y	Y	DIED	241

€ Based on recall of parents  
 \* Afp.rec Data as of 01-05-2014

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\* 2014 (1/1)**

S. No	DISTRICT	TEHSIL	EPID	SEX	AGE	DONSET	DOSES€	DSTOOL1	DSTOOL2	LAB	FEVER	ASYM	PROG	FUP	PEND (DAYS)
1	FAISALABAD	JARANWALA	PB/51/14/024	F	132	1/5/2014	7+	Late Notified			Y	Y	Y	Y	116
2	RAWALPINDI	RAWALPINDI	PB/11/14/004	M	10	1/26/2014	7+	2/12/2014		NVI	Y	Y	Y	Y	95
3	KHAIRPUR	KHAIRPUR	SD/43/14/003	F	72	1/28/2014	7+	Child Died Before Stool Collection			Y	Y	Y	DIED	93
4	KHIGADAP	GADAP	SD/63/14/004	M	10	1/5/2014	0	3/5/2014	3/6/2014	EV	Y	Y	Y	Y	116
5	KHIJAMSHEED	JAMSHEED	SD/66/14/001	F	121	1/14/2014	7+	1/27/2014	1/29/2014	NVI	Y	N	Y		107
6	KHIKORANGI	KORANGI	SD/68/14/001	M	23	1/5/2014	7+	Child Died Before Stool Collection			N	N	N	DIED	116
7	UMERKOT	SAMARO	SD/34/14/002	F	24	1/14/2014	7+				Y	N	Y	DIED	107
8	BANNU	BANNU	KP/61/14/005	F	30	1/21/2014	7+	2/11/2014	2/12/2014	NVI	Y	N	Y		100
9	CHARSADA	SHABQADAR	KP/31/14/005	M	10	1/26/2014	7+	2/8/2014	2/10/2014	EV	N	Y	Y		95
10	CHARSADA	CHARSADA	KP/31/14/013	F	25	1/26/2014	7+	3/21/2014	3/23/2014	EV	N	Y	Y		95
11	CHITRAL	CHITRAL	KP/21/14/001	M	48	1/22/2014	7+	1/31/2014			Y	N	Y		99
12	HARIPUR	HARIPUR	KP/12/14/001	M	18	1/6/2014	7+	2/19/2014	2/21/2014	NVI	Y	Y	Y	Y	115
13	PESHAWAR	PESHAWAR	KP/30/14/007	F	18	1/30/2014	5	Late Notified			Y	Y	Y		91
14	BARKHAN	BARKHAN	BN/23/14/001	M	36	1/19/2014	3	1/30/2014		NVI	Y	Y	UK	DIED	102
15	DBUGTI	DERA BUGTI	BN/35/14/001	M	33	1/20/2014	7+	2/22/2014	2/23/2014	NVI	Y	Y	Y		101
16	MUSAKHEL	MUSAKHEL	BN/24/14/001	F	9	1/18/2014	6	1/31/2014	2/2/2014	EV	Y	Y	Y		103
17	KHYBER	JAMRUD	FT/34/14/008	M	30	1/7/2014	7+	2/9/2014	2/11/2014	NVI	Y	Y	Y		114
18	WAZIR-N	MIRAN SHAH	FT/64/14/044	M	12	1/27/2014	0	3/2/2014	3/3/2014	VACC	Y	Y	Y		94

€ Based on recall of parents  
\* Afp.rec Data as of 01-05-2014

60 days Follow-up not done

FUP = Residual Weakness at 60 days follow up.