



**World Health  
Organization**

# **Weekly AFP Surveillance Update Pakistan**

**Week 42** (*Ended on 19<sup>th</sup> October, 2013*)

AFP Surveillance



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

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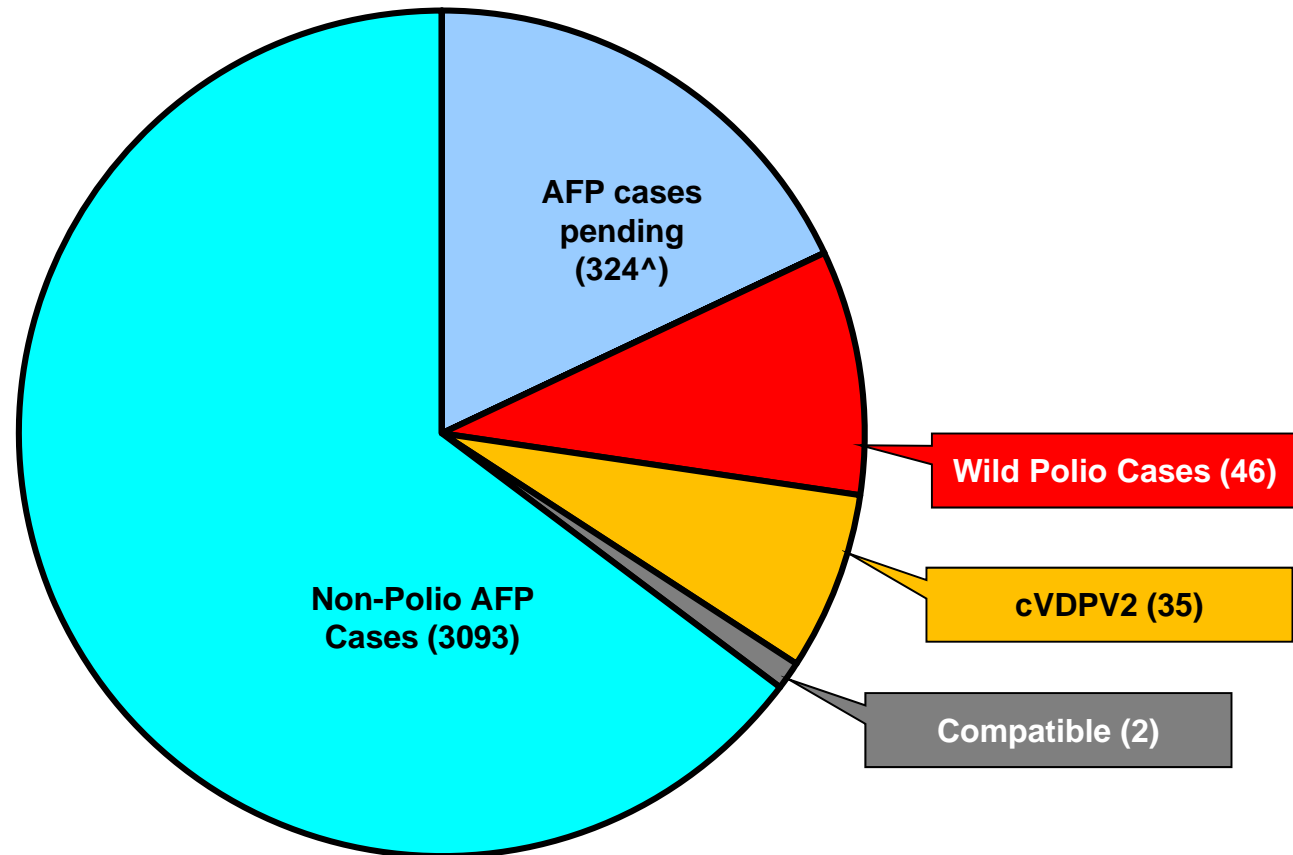
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# AFP Case Profile, 2013\*



**Total AFP Cases Reported = 3500**

<sup>^</sup>92 Inadequate cases pending classification by ERC;  
<sup>^</sup>99 Inadequate cases not due for FUP  
<sup>^</sup>133 Pending in the Lab

## Point in Time Comparison of polio cases by province/region 2012<sup>§</sup> & 2013\*

| <b>Region/ Province</b> | <b>No. of Polio Cases</b> |             | <b>No. of infected Districts / Towns</b> |             | <b>Last polio case</b> |
|-------------------------|---------------------------|-------------|--|-------------|------------------------|
|                         | <b>2012</b>               | <b>2013</b> | <b>2012</b>                              | <b>2013</b> |                        |
| BALUCHISTAN             | <b>4</b>                  | <b>0</b>    | <b>2</b>                                 | <b>0</b>    | 02-Oct-12              |
| FATA                    | <b>19</b>                 | <b>34</b>   | <b>5</b>                                 | <b>4</b>    | 01-Oct-13              |
| G.BALTISTAN             | <b>1</b>                  | <b>0</b>    | <b>1</b>                                 | <b>0</b>    | 06-Aug-12              |
| K. PAKHTUNKHWA          | <b>20</b>                 | <b>7</b>    | <b>13</b>                                | <b>5</b>    | 31-Aug-13              |
| PUNJAB                  | <b>2</b>                  | <b>2</b>    | <b>2</b>                                 | <b>2</b>    | 26-May-13              |
| SINDH                   | <b>4</b>                  | <b>3</b>    | <b>4</b>                                 | <b>3</b>    | 09-Jul-13              |
| <b>PAKISTAN</b>         | <b>50</b>                 | <b>46</b>   | <b>27</b>                                | <b>14</b>   | <b>01-Oct-13</b>       |

Six additional districts/town declared infected based on environmental samples in 2013

Total polio cases of 2012 are 58

\* Afp.rec Data as of 17-10-2013

§Based on date of onset

***Table 1: List of Confirmed Polio Cases, Pakistan 2013\* (1/3)***

| S.NO. | PROVINCE/<br>REGION | DISTRICT  | TEHSIL    | EPID NO.     | SEX | AGE (m) | DATE ONSET<br>OF<br>PARALYSIS | NO. OPV DOSES<br>(based on<br>parents recall) |      | FEVER | Asymmetric<br>Paralysis | Rapid<br>Progression | REFUSAL | WPV TYPE | GENETICS |
|-------|---------------------|-----------|-----------|--------------|-----|---------|-------------------------------|---|------|-------|-------------------------|----------------------|---------|----------|----------|
|       |                     |           |           |              |     |         |                               | Route   | SIAs |       |                         |                      |         |          | Cluster  |
| 1     | SINDH               | BIN QASIM | BIN QASIM | SD/62/13/001 | M   | 24      | 14-Jan-13                     | 0   | 0    | N     | Y                       | Y                    | Y       | NSL1     | R4B      |
| 2     | KP                  | BANNU     | BANNU     | NW/61/13/002 | M   | 13      | 26-Jan-13                     | 0   | 0    | Y     | N                       | Y                    | Y       | NSL1     | R4B      |
| 3     | PUNJAB              | MIWANWALI | ISAKHEL   | PB/43/13/005 | F   | 36      | 07-Feb-13                     | 3   | 7+   | Y     | N                       | Y                    | N       | NSL1     | R4B      |
| 4     | KP                  | MALAKAND  | DARGAI    | NW/20/13/006 | F   | 3       | 08-Feb-13                     | 2   | 2    | Y     | N                       | Y                    | N       | NSL1     | R4B      |
| 5     | KP                  | MARDAN    | MARDAN    | NW/40/13/009 | M   | 30      | 12-Feb-13                     | 3   | 7+   | Y     | N                       | Y                    | N       | NSL1     | R4B      |
| 6     | SINDH               | DADU      | MEHAR     | SD/24/13/006 | F   | 15      | 22-Mar-13                     | 0   | 2    | Y     | N                       | Y                    | N       | NSL1     | R2B      |
| 7     | KP                  | MARDAN    | MARDAN    | NW/40/13/026 | M   | 8       | 22-Apr-13                     | 0   | 0    | Y     | Y                       | Y                    | Y       | NSL1     | R4B      |
| 8     | FATA                | KHYBER\$  | BARA      | FT/34/13/008 | M   | 10      | 24-Apr-13                     | 2   | 4    | Y     | Y                       | N                    | N       | NSL1     | R4B      |
| 9     | FATA                | FR BANNU  | FR BANNU  | FT/69/13/001 | M   | 16      | 03-May-13                     | 0   | 3    | Y     | Y                       | Y                    | Y       | NSL1     | R4B      |
| 10    | FATA                | KHYBER\$  | BARA      | FT/34/13/010 | M   | 8       | 10-May-13                     | 0   | 0    | Y     | Y                       | Y                    | N       | NSL1     | R4B      |
| 11    | FATA                | KHYBER\$  | BARA      | FT/34/13/013 | M   | 24      | 11-May-13                     | 2   | 3    | Y     | N                       | Y                    | N       | NSL1     | R4B      |
| 12    | FATA                | KHYBER\$  | BARA      | FT/34/13/011 | M   | 23      | 14-May-13                     | 0   | 2    | Y     | Y                       | Y                    | N       | NSL1     | R4B      |
| 13    | FATA                | KHYBER\$  | BARA      | FT/34/13/012 | M   | 4       | 16-May-13                     | 0   | 0    | Y     | N                       | Y                    | N       | NSL1     | R4B      |
| 14    | FATA                | FR BANNU  | FR BANNU  | FT/69/13/002 | F   | 22      | 19-May-13                     | 0   | 7+   | Y     | N                       | Y                    | N       | NSL1     | R4B      |
| 15    | FATA                | KHYBER\$  | BARA      | FT/34/13/014 | M   | 30      | 20-May-13                     | 0   | 0    | Y     | N                       | Y                    | N       | NSL1     | R4A      |
| 16    | FATA                | WAZIR-N\$ | MIR ALI   | FT/64/13/010 | M   | 9       | 24-May-13                     | 0   | 0    | Y     | Y                       | Y                    | N       | NSL1     | R4B      |
| 17    | PUNJAB              | MBDIN     | MALIKWAL  | PB/24/13/013 | F   | 96      | 26-May-13                     | 3   | 7+   | Y     | Y                       | Y                    | N       | NSL1     | R4B      |
| 18    | FATA                | KHYBER\$  | BARA      | FT/34/13/015 | M   | 15      | 06-June-13                    | 0   | 0    | Y     | Y                       | Y                    | N       | NSL1     | R4B      |
| 19    | FATA                | WAZIR-N\$ | MIR ALI   | FT/64/13/014 | F   | 11      | 15-June-13                    | 0   | 0    | Y     | Y                       | Y                    | N       | NSL1     | R4B      |
| 20    | FATA                | KHYBER\$  | BARA      | FT/34/13/019 | F   | 12      | 23-June-13                    | 0   | 0    | Y     | N                       | Y                    | N       | NSL1     | R4B      |
| 21    | KP                  | PESHAWAR  | PESHAWAR  | KP/30/13/042 | M   | 12      | 30-June-13                    | 0   | 0    | Y     | N                       | Y                    | Y       | NSL1     | R4B      |
| 22    | FATA                | KHYBER\$  | BARA      | FT/34/13/020 | F   | 12      | 03-July-13                    | 0   | 0    | N     | N                       | Y                    | N       | NSL1     | R4B      |

\$ Security compromised area

\* Afp.rec Data as of 21-10-2013

**Table 1.1: List of Confirmed Polio Cases, Pakistan 2013\* (2/3)**

| S.NO. | PROVINCE/<br>REGION | DISTRICT  | TEHSIL      | EPID NO.     | SEX | AGE (m) | DATE ONSET<br>OF<br>PARALYSIS | NO. OPV DOSES<br>(based on<br>parents recall) |       | FEVER | Asymmetric<br>Paralysis | Rapid<br>Progression | REFUSAL | W/PV TYPE | GENETICS |
|-------|---------------------|-----------|-------------|--------------|-----|---------|-------------------------------|---|-------|-------|-------------------------|----------------------|---------|-----------|----------|
|       |                     |           |             |              |     |         |                               | Route   | SIA's |       |                         |                      |         |           | Cluster  |
| 23    | SINDH               | KHIGADDAP | GADDAP      | SD/63/13/015 | F   | 12      | 09-July-13                    | 3   | 6     | Y     | Y                       | Y                    | N       | NSL1      | R4B      |
| 24    | FATA                | WAZIR-N\$ | MIRAN SHAH  | FT/64/13/018 | F   | 18      | 13-July-13                    | 0   | 0     | Y     | Y                       | Y                    | N       | NSL1      | R4B      |
| 25    | FATA                | FR BANNU  | FR BANNU    | FT/69/13/006 | M   | 18      | 27-July-13                    | 0   | 7+    | Y     | N                       | Y                    | N       | NSL1      | R4B      |
| 26    | FATA                | WAZIR-N\$ | MIR ALI     | FT/64/13/032 | F   | 21      | 05-Aug-13                     | 0   | 0     | Y     | Y                       | Y                    | N       | NSL1      | R4B      |
| 27    | FATA                | WAZIR-N\$ | RAZMAK      | FT/64/13/033 | M   | 11      | 11-Aug-13                     | 0   | 0     | Y     | Y                       | Y                    | N       | NSL1      | R4B      |
| 28    | KP                  | KOHAT     | KOHAT       | KP/50/13/017 | F   | 10      | 19-Aug-13                     | 0   | 5     | Y     | Y                       | Y                    | N       | NSL1      | R4B      |
| 29    | FATA                | WAZIR-N\$ | RAZMAK      | FT/64/13/044 | M   | 8       | 24-Aug-13                     | 0   | 0     | Y     | N                       | Y                    | N       | NSL1      | R4B      |
| 30    | FATA                | FR DIKHAN | FR DIKHAN   | FT/68/13/001 | M   | 36      | 26-Aug-13                     | 1   | 1     | Y     | N                       | Y                    | N       | NSL1      | R4B      |
| 31    | FATA                | KHYBER\$  | LANDI KOTAL | FT/34/13/028 | M   | 18      | 30-Aug-13                     | 0   | 0     | Y     | Y                       | Y                    | N       | NSL1      | R4A      |
| 32    | KP                  | PESHAWAR  | PESHAWAR    | KP/30/13/068 | M   | 6       | 31-Aug-13                     | 0   | 0     | Y     | Y                       | Y                    | N       | NSL1      | R4B      |
| 33    | FATA                | WAZIR-N\$ | MIR ALI     | FT/64/13/050 | F   | 13      | 01-Sep-13                     | 0   | 0     | Y     | Y                       | Y                    | N       | NSL1      | R4B      |
| 34    | FATA                | WAZIR-N\$ | MIRAN SHAH  | FT/64/13/051 | F   | 11      | 05-Sep-13                     | 0   | 0     | Y     | Y                       | Y                    | N       | NSL1      | R4B      |
| 35    | FATA                | WAZIR-N\$ | RAZMAK      | FT/64/13/053 | F   | 17      | 06-Sep-13                     | 0   | 0     | Y     | Y                       | Y                    | N       | NSL1      | R4B      |
| 36    | FATA                | WAZIR-N\$ | MIR ALI     | FT/64/13/055 | F   | 7       | 08-Sep-13                     | 1   | 0     | Y     | Y                       | Y                    | N       | NSL1      | R4B      |
| 37    | FATA                | KHYBER\$  | BARA        | FT/34/13/027 | F   | 13      | 30-Aug-13                     | 0   | 2     | Y     | Y                       | Y                    | N       | NSL1      | R4A      |
| 38    | FATA                | KHYBER\$  | BARA        | FT/34/13/029 | M   | 11      | 10-Sep-13                     | 3   | 7+    | Y     | Y                       | Y                    | N       | NSL1      | R4B      |
| 39    | FATA                | WAZIR-N\$ | MIR ALI     | FT/64/13/056 | M   | 10      | 10-Sep-13                     | 3   | 0     | Y     | Y                       | Y                    | N       | NSL1      | R4B      |
| 40    | FATA                | KHYBER\$  | BARA        | FT/34/13/033 | M   | 30      | 26-Sep-13                     | 3   | 3     | Y     | Y                       | Y                    | N       | NSL1      |          |
| 41    | FATA                | KHYBER\$  | LANDI KOTAL | FT/34/13/032 | F   | 8       | 05-Sep-13                     | 0   | 4     | Y     | Y                       | Y                    | N       | NSL1      |          |
| 42    | FATA                | WAZIR-N\$ | MIR ALI     | FT/64/13/068 | F   | 16      | 20-Sep-13                     | 0   | 0     | Y     | Y                       | Y                    | N       | NSL1      |          |
| 43    | FATA                | WAZIR-N\$ | MIR ALI     | FT/64/13/069 | F   | 12      | 20-Sep-13                     | 0   | 0     | Y     | Y                       | Y                    | N       | NSL1      |          |
| 44    | FATA                | WAZIR-N\$ | MIR ALI     | FT/64/13/071 | M   | 8       | 26-Sep-13                     | 0   | 0     | Y     | Y                       | Y                    | N       | NSL1      |          |

\$ Security compromised area

**New Case**

\* Afp.rec Data as of 21-10-2013

**Table 1.2: List of Confirmed Polio Cases, Pakistan 2013\* (3/3)**

| S.NO. | PROVINCE/<br>REGION | DISTRICT | TEHSIL   | EPID NO.     | SEX | AGE (m) | DATE ONSET<br>OF<br>PARALYSIS | NO. OPV DOSES<br>(based on<br>parents recall) |       | FEVER | Asymmetric<br>Paralysis | Rapid<br>Progression | REFUSAL | WPV TYPE | GENETICS |
|-------|---------------------|----------|----------|--------------|-----|---------|-------------------------------|---|-------|-------|-------------------------|----------------------|---------|----------|----------|
|       |                     |          |          |              |     |         |                               | Routi<br>ne                                   | SIA's |       |                         |                      |         |          | Cluster  |
| 45    | FATA                | FR BANNU | FR BANNU | FT/69/13/016 | F   | 24      | 28-Sep-13                     | 0   | 0     | Y     | Y                       | Y                    | N       | NSL1     |          |
| 46    | FATA                | FR BANNU | FR BANNU | FT/69/13/017 | M   | 11      | 01-Oct-13                     | 0   | 0     | Y     | Y                       | Y                    | N       | NSL1     |          |

**Table 2: LAB Update 2013\***

| 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    |
| January        | 333       | 275               | 0                   | 0   | 19                           | 6 | 37   | 11% | 2    | 333                    | 100% |
| February       | 330       | 285               | 0                   | 0   | 16                           | 5 | 26   | 8%  | 3    | 330                    | 100% |
| March          | 308       | 248               | 0                   | 0   | 7                            | 2 | 52   | 17% | 1    | 308                    | 100% |
| April          | 352       | 244               | 0                   | 0   | 22                           | 6 | 84   | 24% | 2    | 352                    | 100% |
| May            | 419       | 304               | 0                   | 0   | 15                           | 4 | 91   | 22% | 9    | 419                    | 100% |
| June           | 469       | 326               | 0                   | 0   | 21                           | 4 | 118  | 25% | 4    | 469                    | 100% |
| July           | 391       | 239               | 0                   | 0   | 13                           | 3 | 135  | 35% | 4    | 391                    | 100% |
| August         | 458       | 289               | 3                   | 1   | 23                           | 5 | 134  | 29% | 8    | 454                    | 99%  |
| September      | 451       | 248               | 65                  | 7   | 16                           | 4 | 103  | 23% | 12   | 379                    | 84%  |
| October        | 67        | 3                 | 58                  | 3   | 0                            | 0 | 2    | 3%  | 1    | 6                      | 9%   |
| Pakistan       | 3578      | 2461              | 126                 | 11  | 152                          | 4 | 782  | 22% | 46   | 3441                   | 96%  |

\* Data as of 21-10-2013

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

| Basic information                                |            |            |               |                 |               |         |     |                   |            | OPV doses |      |             |           | Urgent   |        | Prov                             | Lab update |           |                | Remarks                |
|--|------------|------------|---------------|-----------------|---------------|---------|-----|-------------------|------------|-----------|------|-------------|-----------|----------|--------|----------------------------------|------------|-----------|----------------|------------------------|
| S. #   | District   | Tehsil     | Union council | Epid number     | Date of Onset | Age (M) | Sex | Date of 1st stool | Stool Adeq | Ri        | S1As | Last 6 S1As | Last dose | By Field | By NSC | Diagnosis                        | Lab No.    | Days Inoc | Culture update |                        |
| <b>Isolates pending for ITSD</b>                 |            |            |               |                 |               |         |     |                   |            |           |      |             |           |          |        |                                  |            |           |                |                        |
| 1  | FR BANNU   | FR BANNU   | HINDI KHEL    | FT/69/13/013    | 22-Sep-13     | 12      | F   | 28-Sep-13         | #          | 0         | 0    | 0           |           | Y        | Y      | POLIO                            | 4392       | 7         | P1             | Discordant U           |
| 2  | FR BANNU   | FR BANNU   | BAKA KHEL     | FT/69/13/015    | 01-Oct-13     | 7       | M   | 05-Oct-13         | #          | 0         | 0    | 0           |           | Y        | Y      | POLIO                            | 4511       | 6         | L20B+          | SERVICE DELIVER ISSUES |
| 3  | KHYBER     | BARA       | SPEEN KABOR   | FT/34/13/030    | 24-Sep-13     | 15      | M   | 29-Sep-13         | Y          | 3         | 0    | 0           |           | Y        | Y      | SUSPECTED POLIO                  | 4404       | 7         | L20B+          |                        |
| 4  | WAZIR-N    | MIRAN SHAH | DEGAN         | FT/64/13/074    | 28-Sep-13     | 37      | M   | 01-Oct-13         | Y          | 0         | 0    | 0           |           | Y        | Y      | POLIO MYELITIS/ INFECTION TRAUMA | 4475       | 3         | L20B+          |                        |
| 5  | WAZIR-N    | MIR ALI    | ZERAKI        | FT/64/13/075    | 06-Sep-13     | 15      | M   | 02-Oct-13         | Y          | 0         | 0    | 0           |           | Y        | Y      | POLIO                            | 4472       | 3         | P2             | Discordant U           |
| 6  | PESHAWAR   | PESHAWAR   | BAZID KHEL    | KP/30/13/079    | 24-Sep-13     | 8       | M   | 07-Oct-13         | N          | 3         | 7+   | 6           | 05-Sep-13 | N        | -      | INI NEURIMS / GBS                | 4535       | 5         | L20B+          |                        |
| 7  | SWABI      | SWABI      | BAJA          | KP/41/13/037-C3 |               | 36      | M   | 02-Oct-13         | -          | -         | -    | -           | 07-Jul-13 | N        | -      | -                                | 4430       | 5         | L20B+          |                        |
| 8  | KASUR      | #          |               | PB/32/13/049    | 04-Oct-13     | 22      | F   | 06-Oct-13         |            | #         | #    |             | 01-Oct-13 | N        | -      | *                                | 4524       | 5         | L20B+          |                        |
| 9  | MUZFARGARH | MUZFARGARH | URBAN ALIPUR  | PB/83/13/096    | 17-Aug-13     | 14      | M   | 04-Oct-13         | N          | 1         | 7+   | 6           | 02-Jul-13 | N        | -      | TRAUMATIC NEURIMS                | 4496       | 6         | L20B+          |                        |
| 10   | SHEIKUPURA | #          |               | PB/33/13/057    |               | 12      | M   | 27-Sep-13         |            | #         | #    |             | 08-Jul-13 | N        | -      | *                                | 4403       | 7         | L20B+          |                        |
| 11   | DADU       | #          |               | SD/24/13/020    | 02-Oct-13     | 3       | F   | 05-Oct-13         |            | #         | #    |             | 01-Oct-13 | N        | -      | *                                | 4529       | 5         | L20B+          |                        |
| 12   | KHIGADAP   | GADAP      | 4             | SD/63/13/022    | 19-Sep-13     | 12      | M   | 24-Sep-13         | Y          | 0         | 6    | 6           | 15-Aug-13 | Y        | Y      | GBS                              | 4367       | 7         | P1             | Discordant U           |
| 13   | LARKANA    | #          |               | SD/51/13/020    | 28-Sep-13     | 21      | F   | 01-Oct-13         |            | #         | #    |             | 30-Sep-13 | N        | -      | *                                | 4480       | 7         | L20B+          |                        |
| <b>Reported urgent (by field / NSC criteria)</b> |            |            |               |                 |               |         |     |                   |            |           |      |             |           |          |        |                                  |            |           |                |                        |
| 14   | FR BANNU   | FR BANNU   | DARYOBA       | FT/69/13/018    | 29-Sep-13     | 42      | M   | 04-Oct-13         | Y          | 3         | 7+   | 6           | 30-Sep-13 | Y        | N      | ENCEPHALITIS                     | 4510       | 13        | UP             |                        |
| 15   | KHYBER *   | #          | #             | FT/34/13/034    | 03-Oct-13     | 12      | M   | 07-Oct-13         | #          | #         | #    | #           |           | Y        | #      | .                                | 4593       | 11        | UP             |                        |
| 16   | KHYBER *   | #          | #             | FT/34/13/037    | 26-Sep-13     | 13      | M   | 11-Oct-13         | #          | #         | #    | #           |           | Y        | #      | .                                | 4676       | 8         | UP             |                        |
| 17   | WAZIR-N *  | #          | #             | FT/64/13/076    | 05-Oct-13     | 15      | F   | 07-Oct-13         | #          | #         | #    | #           |           | Y        | #      | .                                | 4585       | 11        | UP             |                        |
| 18   | WAZIR-N *  | #          | #             | FT/64/13/078    | 05-Oct-13     | 23      | M   | 07-Oct-13         | #          | #         | #    | #           |           | Y        | #      | .                                | 4580       | 11        | UP             |                        |

\* 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



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

| 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        | SIA's | Last 6 SIA's | Last dose | By Field | By NSC |                | Lab No.    | Days Inoc | Culture update                 |         |
| 19   | WAZIR-N *         | #           | #             | FT/64/13/079 | 30-Sep-13     | 14      | M   | 07-Oct-13         | #          | #         | #     | #            | #         | Y        | #      | 4654           | 8          | UP        |                                |         |
| 20   | WAZIR-N *         | #           | #             | FT/64/13/080 | 05-Oct-13     | 14      | F   | 08-Oct-13         | #          | #         | #     | #            | #         | Y        | #      | 4655           | 8          | UP        |                                |         |
| 21   | BUNIR             | DAGGAR      | DAGGAR        | KP/22/13/031 | 02-Oct-13     | 39      | F   | 04-Oct-13         | Y          | 0         | 4     | 4            | 20-Aug-13 | Y        | N      | 4502           | 14         | UP        | TRAIUMATIC NEURITIS            |         |
| 22   | SWABI *           | #           | #             | KP/41/13/041 | 01-Oct-13     | 2       | M   | 07-Oct-13         | #          | #         | #     | #            | 25-Sep-13 | Y        | #      | 4607           | 11         | UP        |                                |         |
| 23   | MUZFARGARH *      | ALIPUR      | FATEH PUR     | PB/83/13/098 | 25-Aug-13     | 4       | M   | 08-Oct-13         | N          | 0         | 3     | 3            | 03-Jul-13 | N        | Y      | 4598           | 11         | UP        | TRAIUMATIC NEURITIS            |         |
| 24   | RYKHAN *          | LIAQUAT PUR | GULAB SHAH    | PB/72/13/062 | 25-Sep-13     | 12      | M   | 04-Oct-13         | Y          | 3         | 7+    | 6            | 26-Aug-13 | Y        | N      | 4567           | 12         | UP        | MONOPLÉGIA                     |         |
| 25   | BADIN *           | BADIN       | KADI KAZIA    | SD/23/13/033 | 04-Oct-13     | 8       | M   | 07-Oct-13         | Y          | 3         | 3     | 3            | 01-Oct-13 | N        | Y      | 4597           | 11         | UP        | HEMPLEGGIA/CVA                 |         |
| 26   | GHOTKI *          | UBAURO      | UBAURO        | SD/42/13/060 | 30-Sep-13     | 4       | M   | 10-Oct-13         | Y          | 1         | 3     | 3            | 19-Aug-13 | Y        | Y      | 4670           | 8          | UP        | CONGENITAL HEART DISEASE/POLO? |         |

\* New addition

§ New results

#Data not available

Y 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

# Summary of Laboratory data for Environmental Surveillance- Pakistan (Jan 2011 to date)

## Report for Epidemiological week= 41 (06 Oct – 12 Oct, 2013)



- Wild poliovirus type 1 (WPV1)
- Wild poliovirus type 3 (WPV3)
- Mixture WPV1 & WPV3
- No WPV Isolated
- Under process
- X Scheduled sampling, sample not collected
- No sampling scheduled
- Mixture WPV1 & VDPV type 2

**SUMMARY**

Total Sites = 23

Total Samples Collected (2011-2012-2013) = 655

Total Samples with results available = 647

Total samples positive for Wild PV (2011-2012-2013) = **264** (136+88+40) (WPV1= 264)

Samples Positive for VDPV = 1 (Type 2 VDPV from KHI-Gadaap)

## Comparison environmental sampling results 2012-13\*

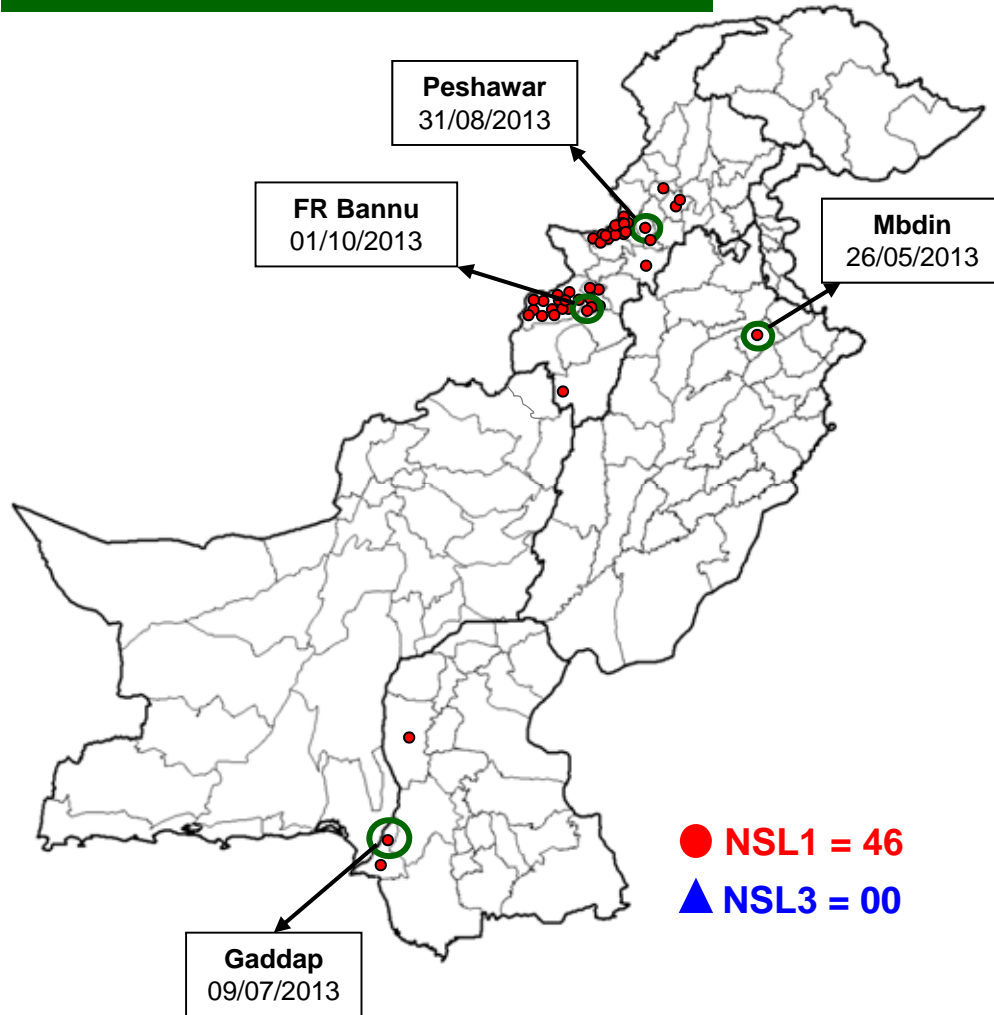
| DISTRICT        | 2012       |           |            | 2013       |           |            | Last isolate     |
|-----------------|------------|-----------|------------|------------|-----------|------------|------------------|
|                 | TOTAL      | WILD      |            | TOTAL      | WILD      |            |                  |
|                 | n          | n         | %          | n          | n         | %          |                  |
| LAHORE          | 30         | 17        | 57%        | 46         |           | 0%         | 20-Nov-12        |
| MULTAN          | 29         | 4         | 14%        | 28         | 2         | 7%         | 18-Sep-13        |
| RAWALPINDI      | 9          | 6         | 67%        | 9          | 4         | 44%        | 24-Sep-13        |
| FAISALABAD      | 4          | 1         | 25%        | 29         | 1         | 3%         | 03-Jan-13        |
| KHIGIQBAL       | 20         | 4         | 20%        | 19         | 2         | 11%        | 26-Aug-13        |
| KHIGADAP        | 19         | 13        | 68%        | 25         | 8         | 32%        | 23-Sep-13        |
| KHIBALDIA       | 20         | 1         | 5%         | 19         |           | 0%         | 10-Jul-12        |
| SUKKUR          | 12         | 7         | 58%        | 19         |           | 0%         | 05-Sep-12        |
| HYDERABAD       | 4          | 4         | 100%       | 9          | 7         | 78%        | 12-Aug-13        |
| PESHAWAR        | 19         | 15        | 79%        | 18         | 15        | 83%        | 24-Sep-13        |
| QUETTA          | 21         | 2         | 10%        | 26         | 1         | 4%         | 20-Feb-13        |
| <b>PAKISTAN</b> | <b>187</b> | <b>74</b> | <b>40%</b> | <b>247</b> | <b>40</b> | <b>16%</b> | <b>24-Sep-13</b> |

\*Comparison of samples up to 1<sup>st</sup> September, for both years with available results

Data source Polio RRL

# Map1: Distribution of Wild Polio cases Pakistan 2013\*

Districts/ Towns with Wild Polio cases = 14



| Province/<br>Country   | Date of Last Case |                  | Number of cases 2013 |          |
|------------------------|-------------------|------------------|----------------------|----------|
|                        | P1                | P3               | P1                   | P3       |
| PUNJAB                 | May, 2013         | Jun, 2010        | 2                    | -        |
| SINDH                  | July, 2013        | Jan, 2010        | 3                    | -        |
| KHYBER-<br>PAKHTUNKHWA | Aug, 2013         | Oct, 2010        | 7                    | -        |
| FATA                   | Oct, 2013         | Apr, 2012        | 34                   | -        |
| BALUCHISTAN            | Oct, 2012         | Apr, 2010        | -                    | -        |
| AJK                    | -                 | Jun, 2000        | -                    | -        |
| GILGIT-BALTISTAN       | Aug, 2012         | -                | -                    | -        |
| ISLAMABAD              | Sep, 2008         | Sep, 2008        | -                    | -        |
| <b>PAKISTAN</b>        | <b>Oct, 2013</b>  | <b>Apr, 2012</b> | <b>46</b>            | <b>-</b> |

District with last polio case in province

Cases randomly placed in districts

Provincial Boundary  
 Districts Boundary

\* Afp.rec Data as of 17-10-2013

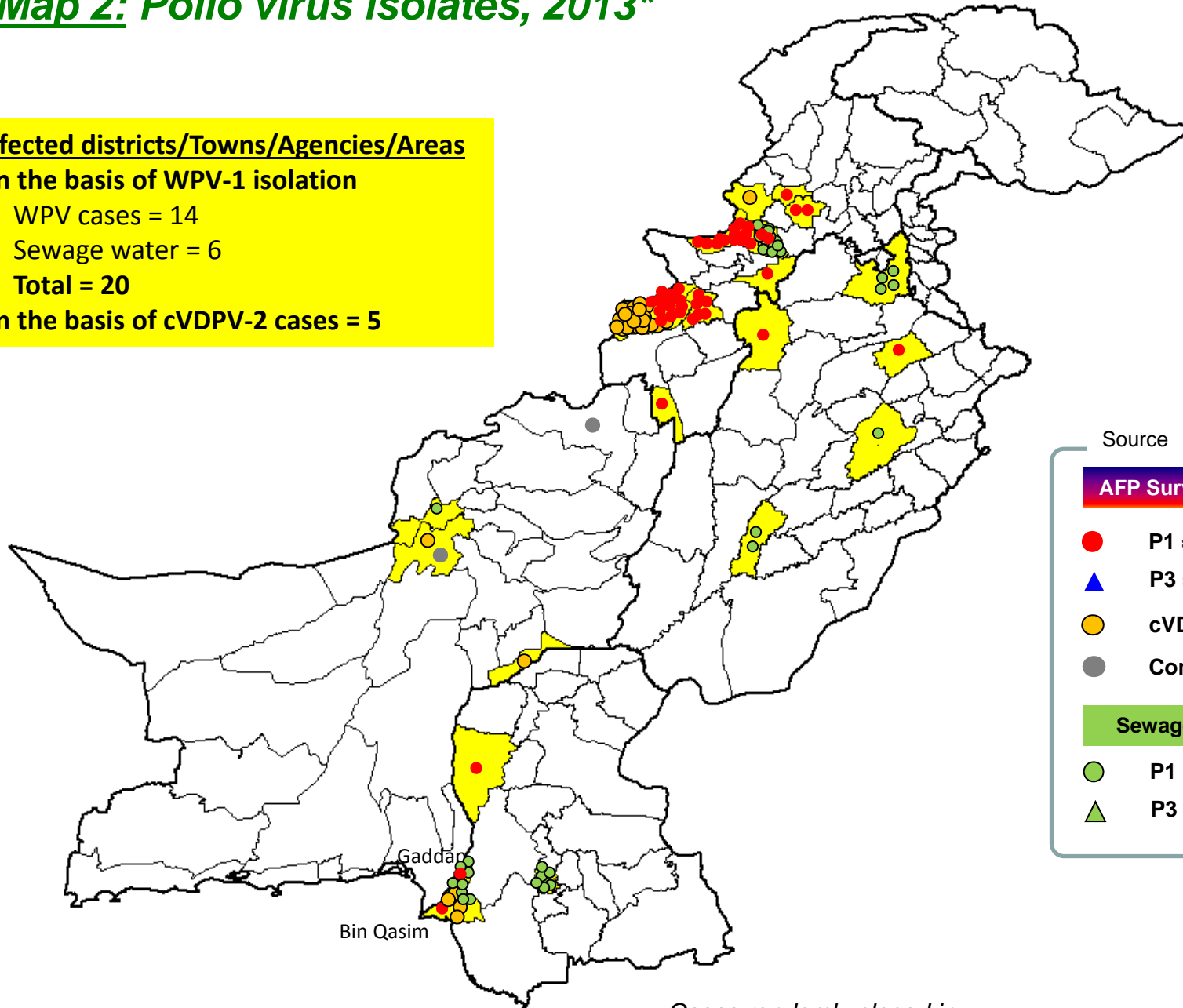
## Map 2: Polio virus isolates, 2013\*

### Infected districts/Towns/Agencies/Areas

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

- WPV cases = 14
- Sewage water = 6
- Total = 20

#### On the basis of cVDPV-2 cases = 5



#### Source

##### AFP Surveillance

- P1 = 46
- ▲ P3 = 0
- cVDPV-2 = 35
- Compatible = 2

##### Sewage water

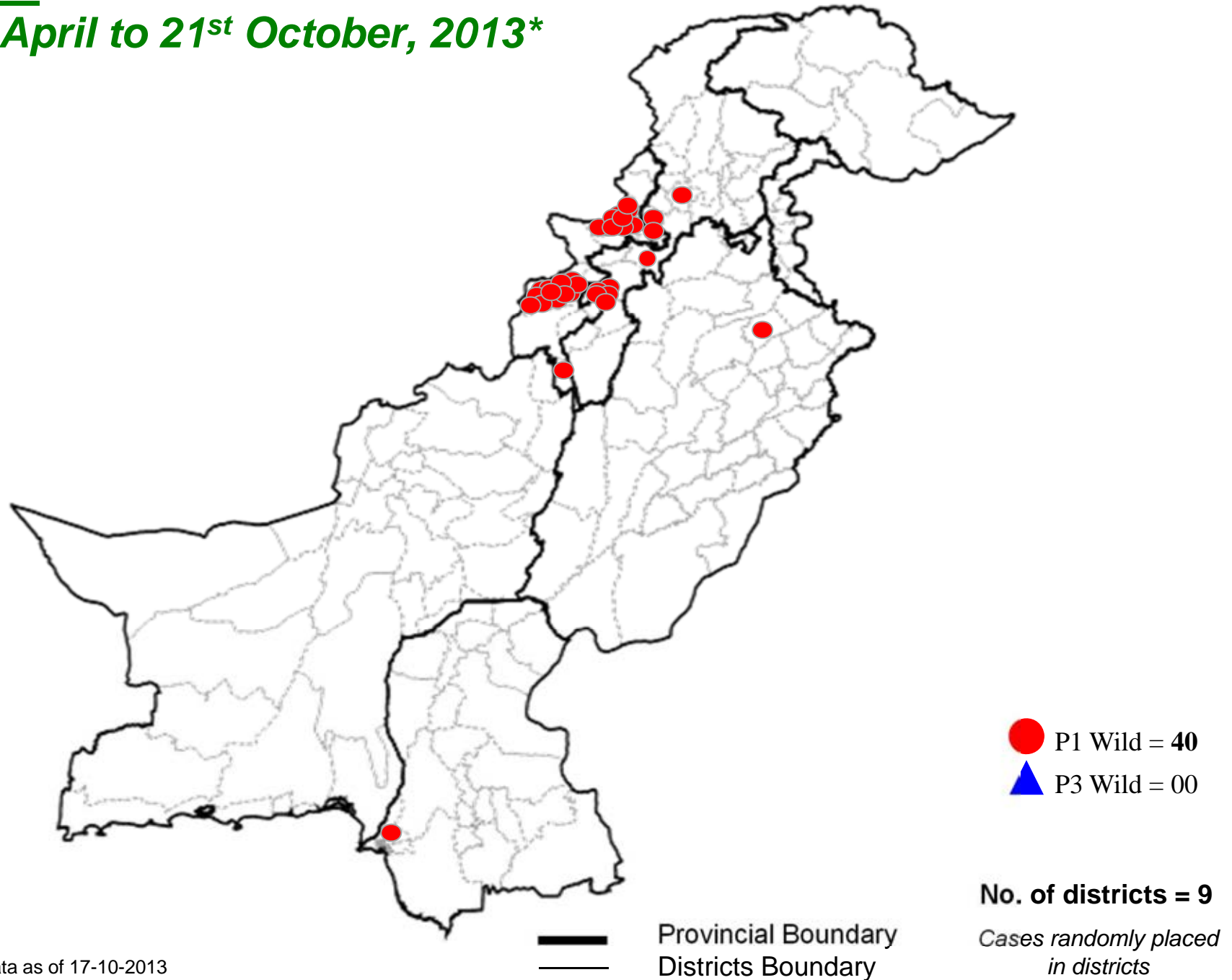
- P1 = 40
- ▲ P3 = 0

- Provincial Boundary
- Districts Boundary

\* Afp.rec Data as of 17-10-2013

*Cases randomly placed in districts*

**Map 3: Wild Polio cases in the last 6 months from 22<sup>nd</sup> April to 21<sup>st</sup> October, 2013\***



\* Afp.rec Data as of 17-10-2013

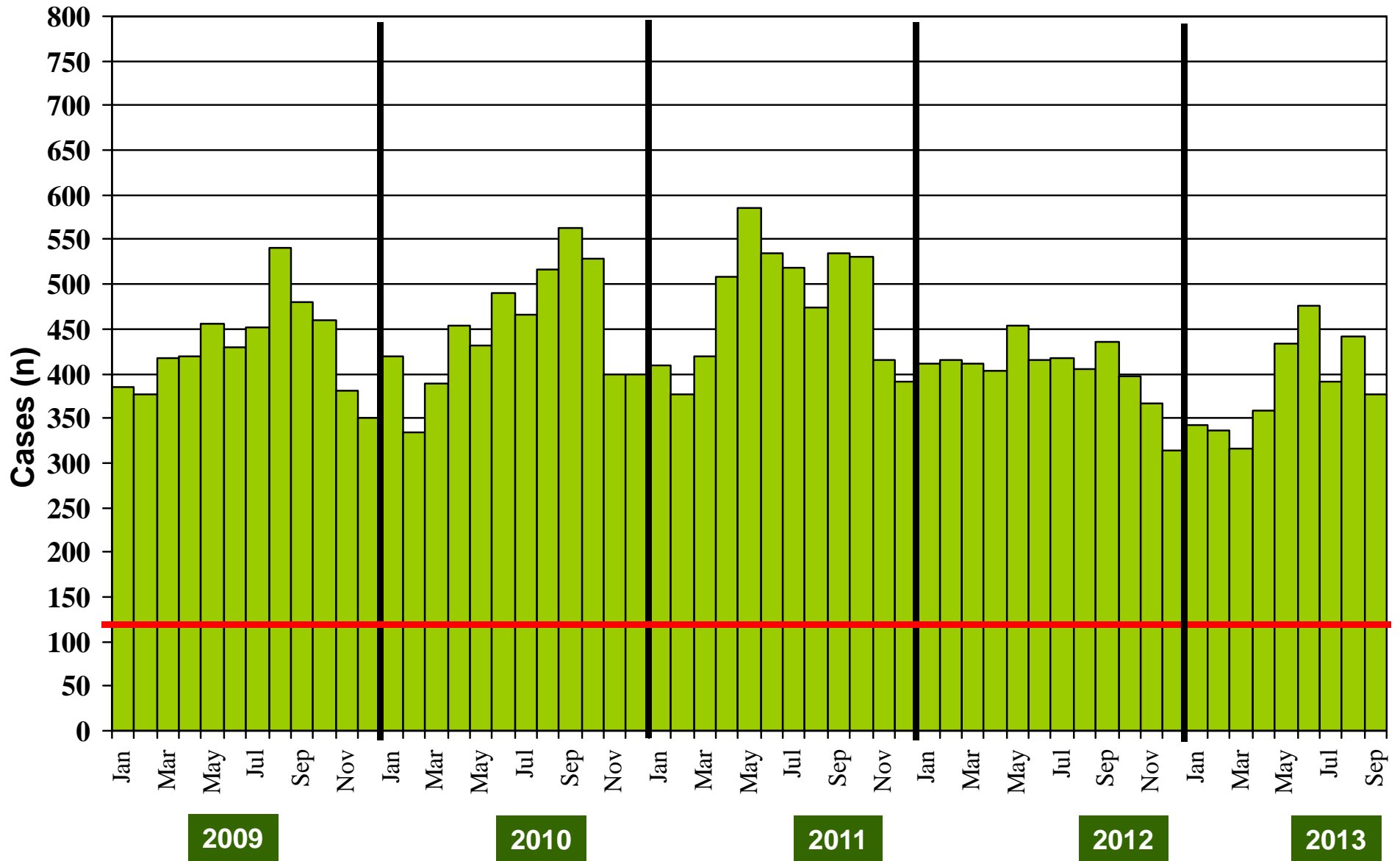
**Table 4: Distribution of AFP Cases By Week of Onset ^  
Pakistan 2013\* [Week number/Ending on]**

| PROVINCE            | W<br>27<br>06<br>July<br>2013 | W<br>28<br>13<br>July<br>2013 | W<br>29<br>20<br>July<br>2013 | W<br>30<br>27<br>July<br>2013 | W<br>31<br>03<br>Aug<br>2013 | W<br>32<br>10<br>Aug<br>2013 | W<br>33<br>17<br>Aug<br>2013 | W<br>34<br>24<br>Aug<br>2013 | W<br>35<br>31<br>Aug<br>2013 | W<br>36<br>07<br>Sep<br>2013 | W<br>37<br>14<br>Sep<br>2013 | W<br>38<br>21<br>Sep<br>2013 | W<br>39<br>28<br>Sep<br>2013 | W<br>40<br>05<br>Oct<br>2013 | W<br>41<br>12<br>Oct<br>2013 |
|---------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| PUNJAB              | 45                            | 47                            | 44                            | 37                            | 53                           | 30                           | 52                           | 51                           | 42                           | 49                           | 49                           | 52                           | 48                           | 31                           | 0                            |
| SINDH               | 20                            | 23                            | 14                            | 19                            | 11                           | 18                           | 27                           | 26                           | 19                           | 20                           | 27                           | 20                           | 19                           | 19                           | 2                            |
| KP                  | 18                            | 19                            | 17                            | 24                            | 20                           | 14                           | 25                           | 18                           | 26                           | 21                           | 16                           | 19                           | 16                           | 16                           | 0                            |
| FATA                | 8                             | 8                             | 2                             | 5                             | 4                            | 14                           | 6                            | 12                           | 8                            | 12                           | 18                           | 10                           | 13                           | 9                            | 0                            |
| BALUCHISTAN         | 3                             | 3                             | 6                             | 3                             | 2                            | 3                            | 8                            | 9                            | 2                            | 1                            | 5                            | 4                            | 3                            | 3                            | 1                            |
| AJK                 | 2                             | 0                             | 1                             | 2                             | 0                            | 0                            | 2                            | 2                            | 2                            | 0                            | 1                            | 0                            | 0                            | 0                            | 0                            |
| GILGIT<br>BILTISTAN | 1                             | 0                             | 0                             | 0                             | 0                            | 0                            | 0                            | 0                            | 0                            | 1                            | 0                            | 0                            | 0                            | 0                            | 0                            |
| ISLAMABAD           | 1                             | 0                             | 0                             | 1                             | 0                            | 0                            | 1                            | 0                            | 1                            | 0                            | 0                            | 0                            | 0                            | 1                            | 0                            |
| <b>PAKISTAN</b>     | <b>98</b>                     | <b>100</b>                    | <b>84</b>                     | <b>91</b>                     | <b>90</b>                    | <b>79</b>                    | <b>121</b>                   | <b>118</b>                   | <b>100</b>                   | <b>104</b>                   | <b>116</b>                   | <b>105</b>                   | <b>99</b>                    | <b>79</b>                    | <b>3</b>                     |

\* Afp.rec & Afplab.rec: Data as of 21-10-2013

^ MMWR Epidemiological Weeks

**Graph 1: Distribution of AFP Cases by Month, Pakistan 2009-2013\***

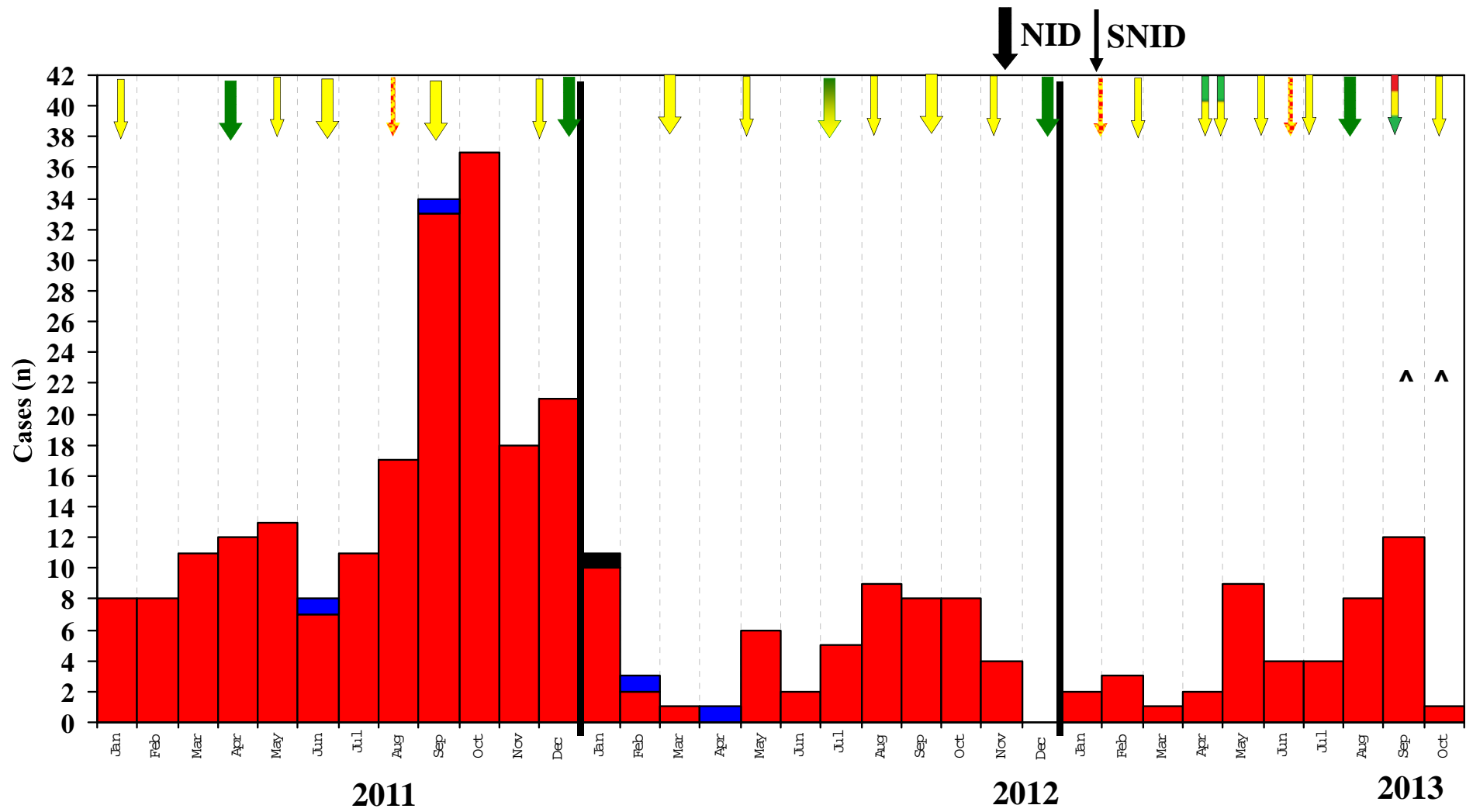


**@ Non-polio AFP rate of 2/100,000 children < 15 years**

\* Afp.rec Data as of 17-10-2013



# Confirmed Polio Cases By Poliovirus Type, 2011-2013\*



Vaccine Type

■ mOPV1 
 ■ mOPV3 
 ■ Trivalent 
 ■ Bivalent

Months / Years

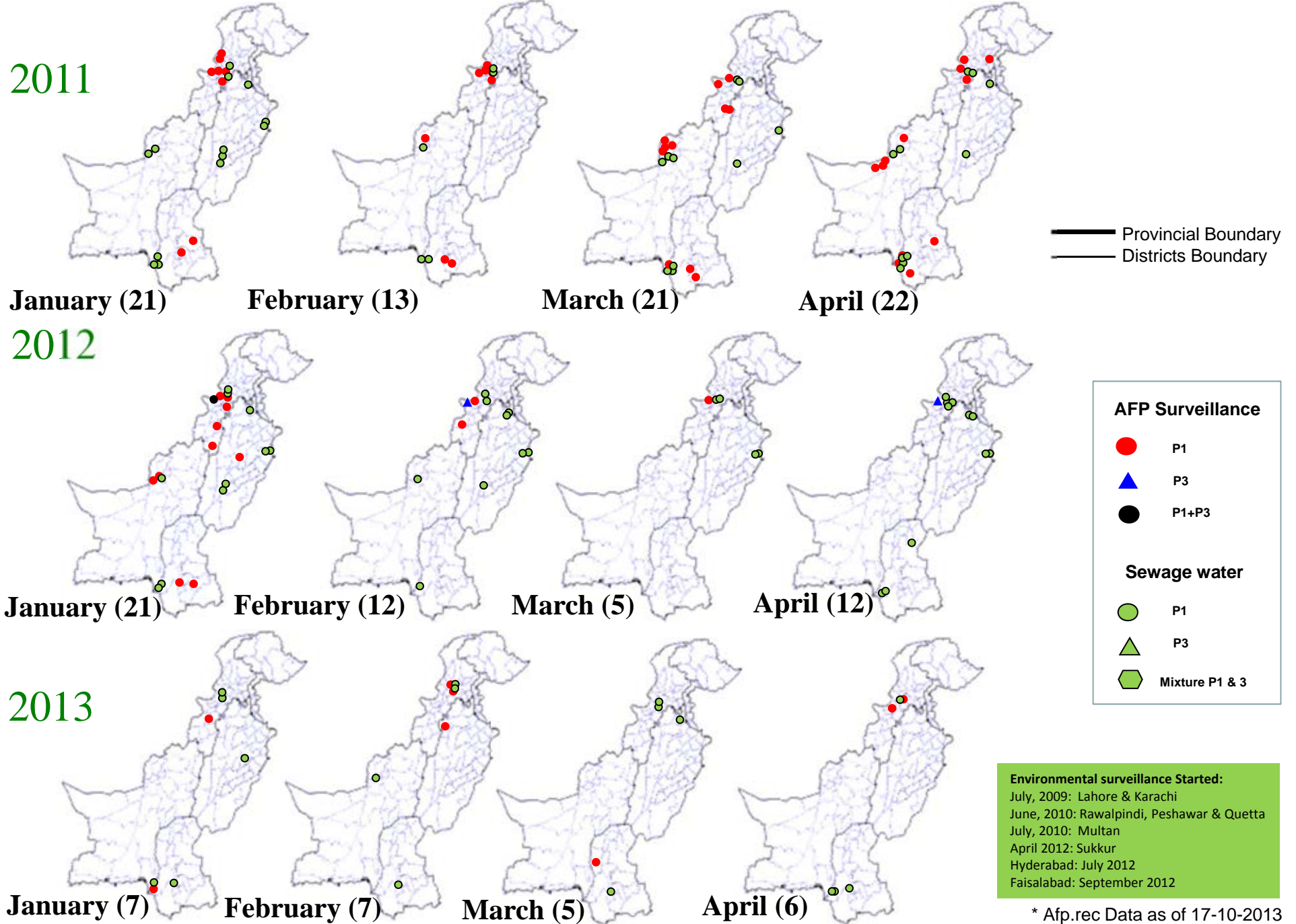
^ Data incomplete

Virus Type

■ NSL3 
 ■ NSL1 
 ■ NSL1 & NSL3

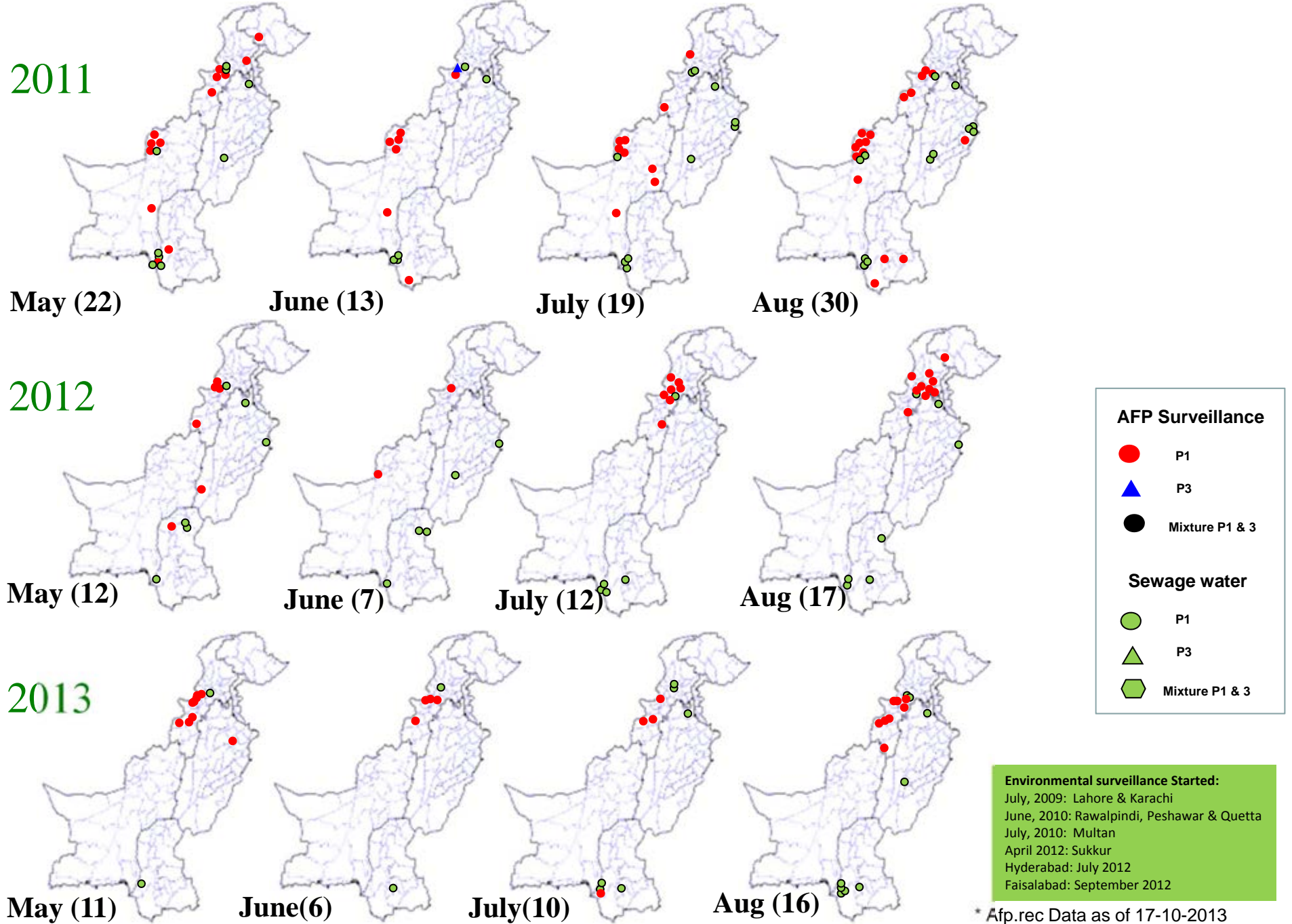
\* Afp.rec Data as of 17-10-2013

# Map 4: Monthly Comparison of P1 & P3 Polio Cases/Isolates 2011-2013\*



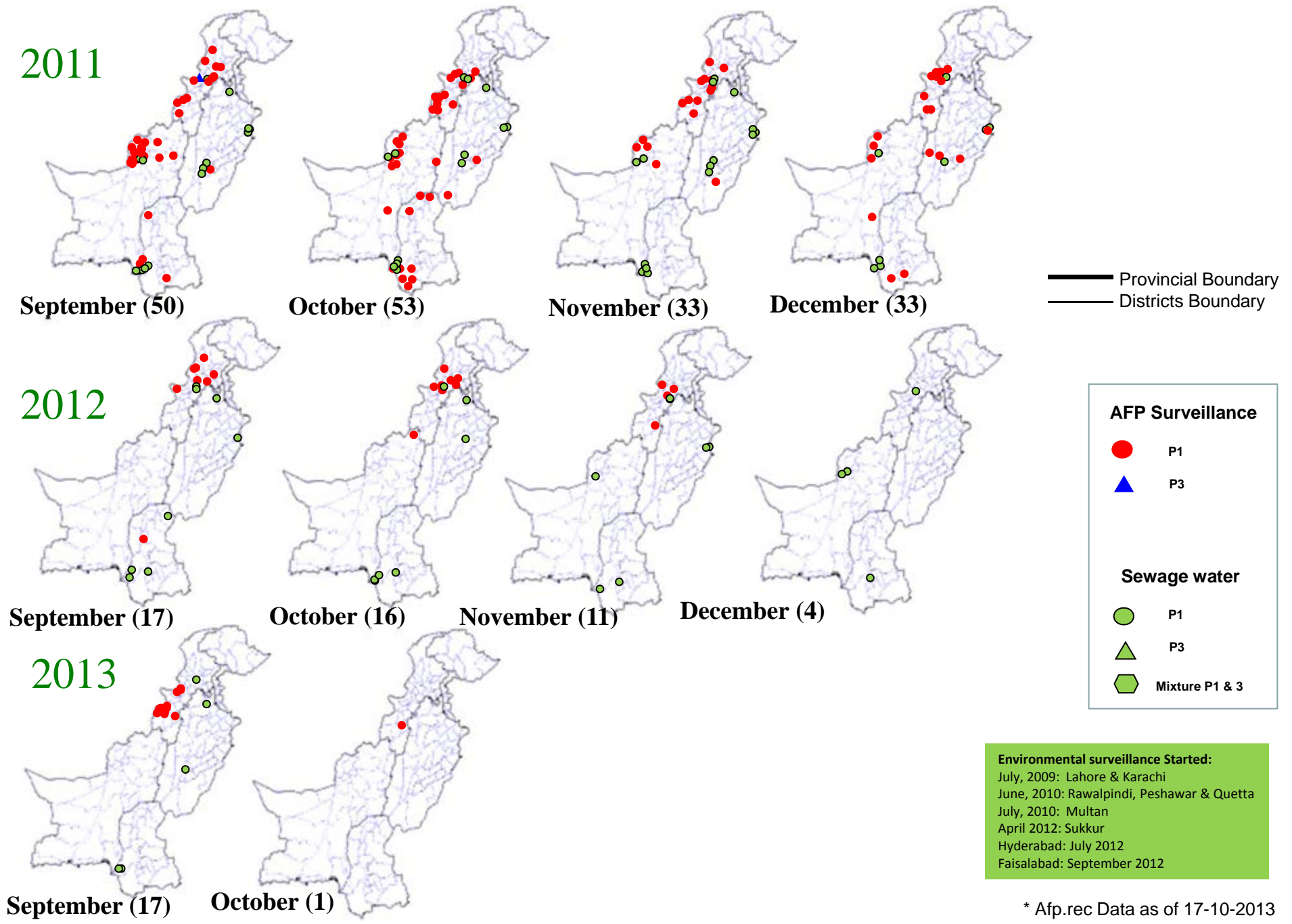
\* Afp.rec Data as of 17-10-2013

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



\* Afp.rec Data as of 17-10-2013

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

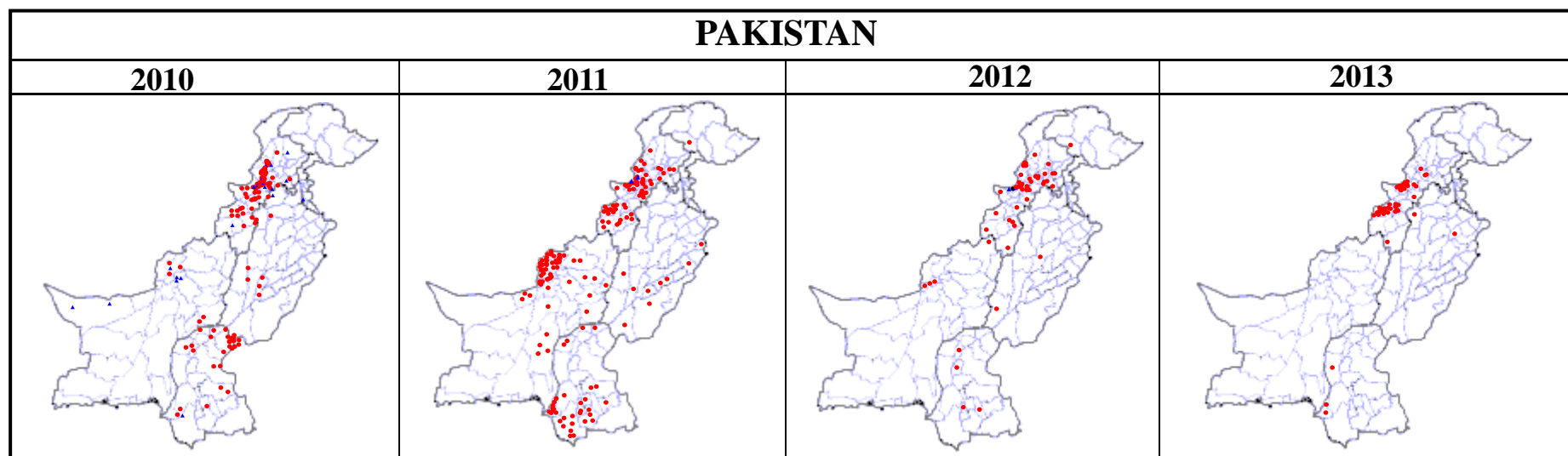


\* Afp.rec Data as of 17-10-2013

## Table 5: Polio Eradication Update, Pakistan 2010-2013\*

| Province/Region  | Polio 1    |            |           |           | Polio 3   |          |          |          | Total Wild |            |           |           |
|------------------|------------|------------|-----------|-----------|-----------|----------|----------|----------|------------|------------|-----------|-----------|
|                  | 2010       | 2011       | 2012      | 2013      | 2010      | 2011     | 2012     | 2013     | 2010       | 2011       | 2012      | 2013      |
| PUNJAB           | 6          | 9          | 2         | 2         | 1         | 0        | -        | -        | 7          | 9          | 2         | 2         |
| SINDH            | 26         | 33         | 4         | 3         | 1         | 0        | -        | -        | 27         | 33         | 4         | 3         |
| KP               | 19         | 23         | 27        | 7         | 5         | 0        | -        | -        | 24         | 23         | 27        | 7         |
| FATA^            | 63         | 57         | 17        | 34        | 11        | 2        | 2        | -        | 74         | 59         | 20^       | 34        |
| BALUCHISTAN      | 6          | 73         | 4         | -         | 6         | 0        | -        | -        | 12         | 73         | 4         | -         |
| AJK              | 0          | 0          | -         | -         | 0         | 0        | -        | -        | 0          | 0          | -         | -         |
| Gilgit-Baltistan | 0          | 1          | 1         | -         | 0         | 0        | -        | -        | 0          | 1          | 1         | -         |
| ISLAMABAD        | 0          | 0          | -         | -         | 0         | 0        | -        | -        | 0          | 0          | -         | -         |
| <b>PAKISTAN</b>  | <b>120</b> | <b>196</b> | <b>55</b> | <b>46</b> | <b>24</b> | <b>2</b> | <b>2</b> | <b>-</b> | <b>144</b> | <b>198</b> | <b>58</b> | <b>46</b> |

^ FATA reported mixture of NSL1 & NSL3



\* Afp.rec Data as of 17-10-2013

***Table 6: Vaccination status of non polio AFP cases age 6-59 months 2010-2013\****

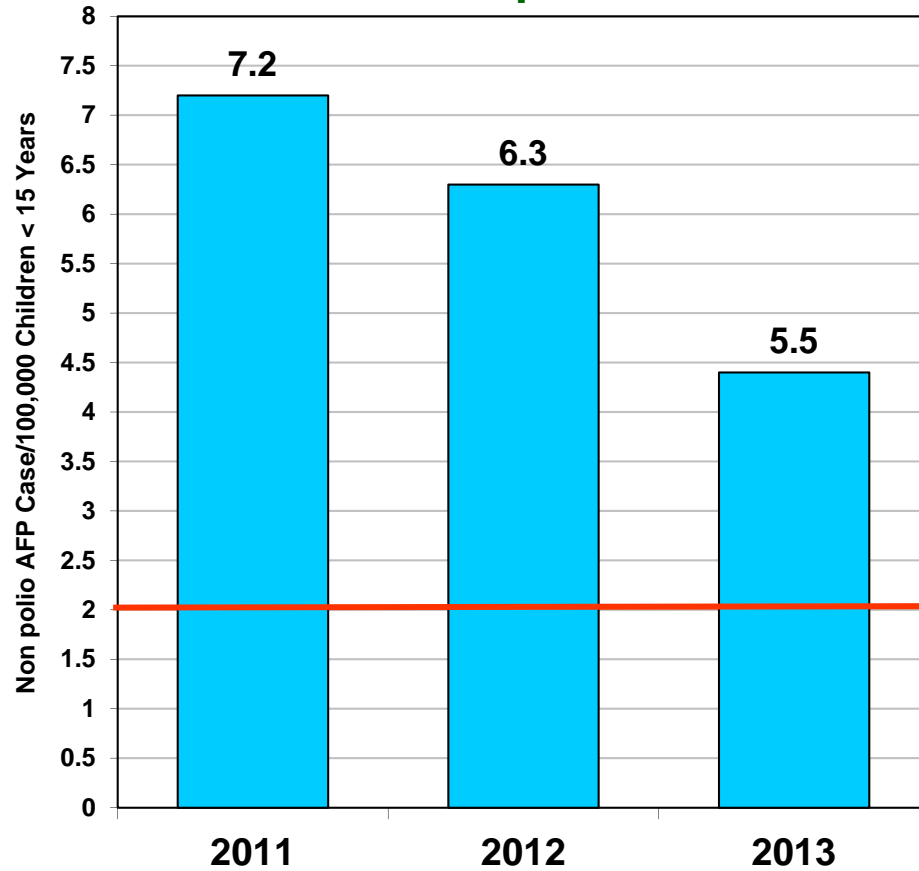
| REGION                     | 0 dose     |            |            |            | 1-2 doses  |            |           |           | 3 doses   |           |           |           | 4-6 doses  |            |            |            | 7+ doses   |            |            |            |
|----------------------------|------------|------------|------------|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|
|                            | 10         | 11         | 12         | 13         | 10         | 11         | 12        | 13        | 10        | 11        | 12        | 13        | 10         | 11         | 12         | 13         | 10         | 11         | 12         | 13         |
| Central Punjab             | 0%         | 0%         | 0%         | 0%         | 1%         | 1%         | 0%        | 0%        | 1%        | 2%        | 0%        | 1%        | 7%         | 6%         | 4%         | 8%         | 91%        | 92%        | 95%        | 91%        |
| North Punjab               | 0%         | 0%         | 0%         | 0%         | 0%         | 1%         | 0%        | 0%        | 2%        | 1%        | 0%        | 0%        | 6%         | 5%         | 4%         | 4%         | 91%        | 93%        | 96%        | 96%        |
| South Punjab               | 0%         | 0%         | 0%         | 0%         | 1%         | 0%         | 0%        | 0%        | 0%        | 1%        | 0%        | 0%        | 5%         | 5%         | 4%         | 5%         | 94%        | 93%        | 96%        | 94%        |
| <b>PUNJAB</b>              | <b>0%</b>  | <b>0%</b>  | <b>0%</b>  | <b>0%</b>  | <b>1%</b>  | <b>1%</b>  | <b>0%</b> | <b>0%</b> | <b>1%</b> | <b>1%</b> | <b>0%</b> | <b>0%</b> | <b>6%</b>  | <b>5%</b>  | <b>4%</b>  | <b>6%</b>  | <b>92%</b> | <b>93%</b> | <b>96%</b> | <b>93%</b> |
| Karachi                    | 2%         | 4%         | 1%         | 0%         | 0%         | 1%         | 1%        | 4%        | 3%        | 0%        | 2%        | 0%        | 7%         | 6%         | 6%         | 6%         | 88%        | 88%        | 90%        | 91%        |
| North Sindh                | 0%         | 0%         | 0%         | 0%         | 1%         | 1%         | 0%        | 0%        | 0%        | 0%        | 1%        | 0%        | 4%         | 5%         | 4%         | 6%         | 95%        | 94%        | 94%        | 94%        |
| South Sindh                | 0%         | 1%         | 0%         | 0%         | 1%         | 1%         | 1%        | 1%        | 1%        | 0%        | 2%        | 1%        | 9%         | 6%         | 4%         | 8%         | 89%        | 93%        | 93%        | 90%        |
| <b>SINDH</b>               | <b>1%</b>  | <b>1%</b>  | <b>0%</b>  | <b>0%</b>  | <b>1%</b>  | <b>1%</b>  | <b>1%</b> | <b>1%</b> | <b>1%</b> | <b>0%</b> | <b>1%</b> | <b>0%</b> | <b>7%</b>  | <b>6%</b>  | <b>4%</b>  | <b>7%</b>  | <b>91%</b> | <b>92%</b> | <b>93%</b> | <b>92%</b> |
| Central Khyber Pakhtunkhwa | 1%         | 1%         | 2%         | 1%         | 0%         | 1%         | 1%        | 0%        | 1%        | 0%        | 0%        | 0%        | 2%         | 3%         | 2%         | 2%         | 97%        | 95%        | 95%        | 96%        |
| North Khyber Pakhtunkhwa   | 2%         | 1%         | 2%         | 0%         | 1%         | 2%         | 2%        | 1%        | 2%        | 1%        | 2%        | 1%        | 6%         | 7%         | 9%         | 6%         | 89%        | 90%        | 85%        | 93%        |
| South Khyber Pakhtunkhwa   | 3%         | 2%         | 2%         | 1%         | 3%         | 4%         | 1%        | 0%        | 3%        | 4%        | 1%        | 0%        | 14%        | 7%         | 9%         | 3%         | 76%        | 83%        | 87%        | 95%        |
| <b>Khyber Pakhtunkhwa</b>  | <b>1%</b>  | <b>1%</b>  | <b>2%</b>  | <b>1%</b>  | <b>1%</b>  | <b>2%</b>  | <b>1%</b> | <b>0%</b> | <b>2%</b> | <b>1%</b> | <b>1%</b> | <b>0%</b> | <b>6%</b>  | <b>5%</b>  | <b>6%</b>  | <b>3%</b>  | <b>90%</b> | <b>91%</b> | <b>89%</b> | <b>95%</b> |
| <b>FATA</b>                | <b>14%</b> | <b>14%</b> | <b>18%</b> | <b>41%</b> | <b>11%</b> | <b>10%</b> | <b>6%</b> | <b>6%</b> | <b>6%</b> | <b>5%</b> | <b>3%</b> | <b>7%</b> | <b>18%</b> | <b>11%</b> | <b>12%</b> | <b>5%</b>  | <b>51%</b> | <b>61%</b> | <b>62%</b> | <b>41%</b> |
| North Balochistan          | 12%        | 4%         | 12%        | 11%        | 0%         | 12%        | 10%       | 13%       | 4%        | 23%       | 3%        | 2%        | 12%        | 12%        | 17%        | 17%        | 72%        | 50%        | 57%        | 57%        |
| Quetta Block               | 0%         | 31%        | 14%        | 10%        | 11%        | 10%        | 10%       | 10%       | 0%        | 3%        | 0%        | 0%        | 9%         | 14%        | 14%        | 10%        | 81%        | 43%        | 62%        | 71%        |
| Rest of Balochistan        | 6%         | 7%         | 9%         | 6%         | 2%         | 2%         | 6%        | 3%        | 2%        | 5%        | 5%        | 3%        | 11%        | 10%        | 10%        | 25%        | 78%        | 76%        | 70%        | 59%        |
| <b>BALUCHISTAN</b>         | <b>5%</b>  | <b>16%</b> | <b>8%</b>  | <b>7%</b>  | <b>4%</b>  | <b>6%</b>  | <b>8%</b> | <b>7%</b> | <b>2%</b> | <b>6%</b> | <b>3%</b> | <b>3%</b> | <b>11%</b> | <b>12%</b> | <b>17%</b> | <b>16%</b> | <b>78%</b> | <b>60%</b> | <b>64%</b> | <b>65%</b> |
| <b>PAKISTAN</b>            | <b>1%</b>  | <b>2%</b>  | <b>1%</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>7%</b>  | <b>6%</b>  | <b>5%</b>  | <b>6%</b>  | <b>89%</b> | <b>89%</b> | <b>92%</b> | <b>89%</b> |

\* Afp.rec Data as of 17-10-2013

# Key Surveillance Indicators; 2011-2013\*

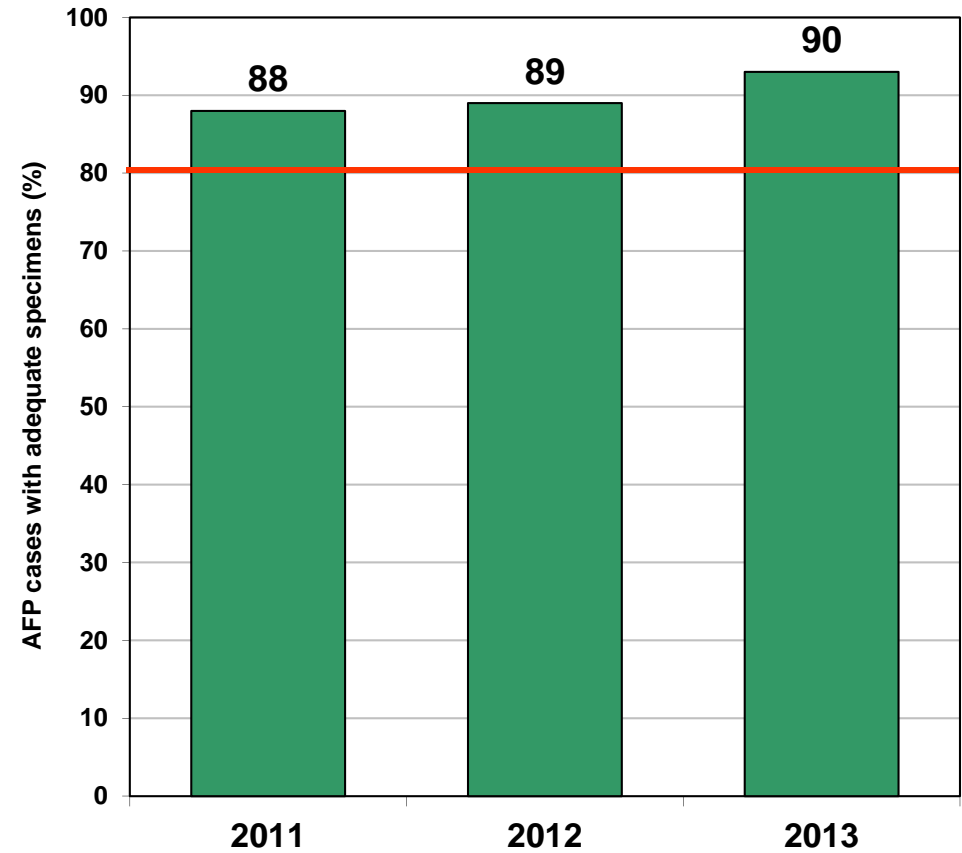
(Non polio AFP rate and % AFP cases with adequate specimens)

**Graph 3**



■ Non Polio AFP Rate

**Graph 4**



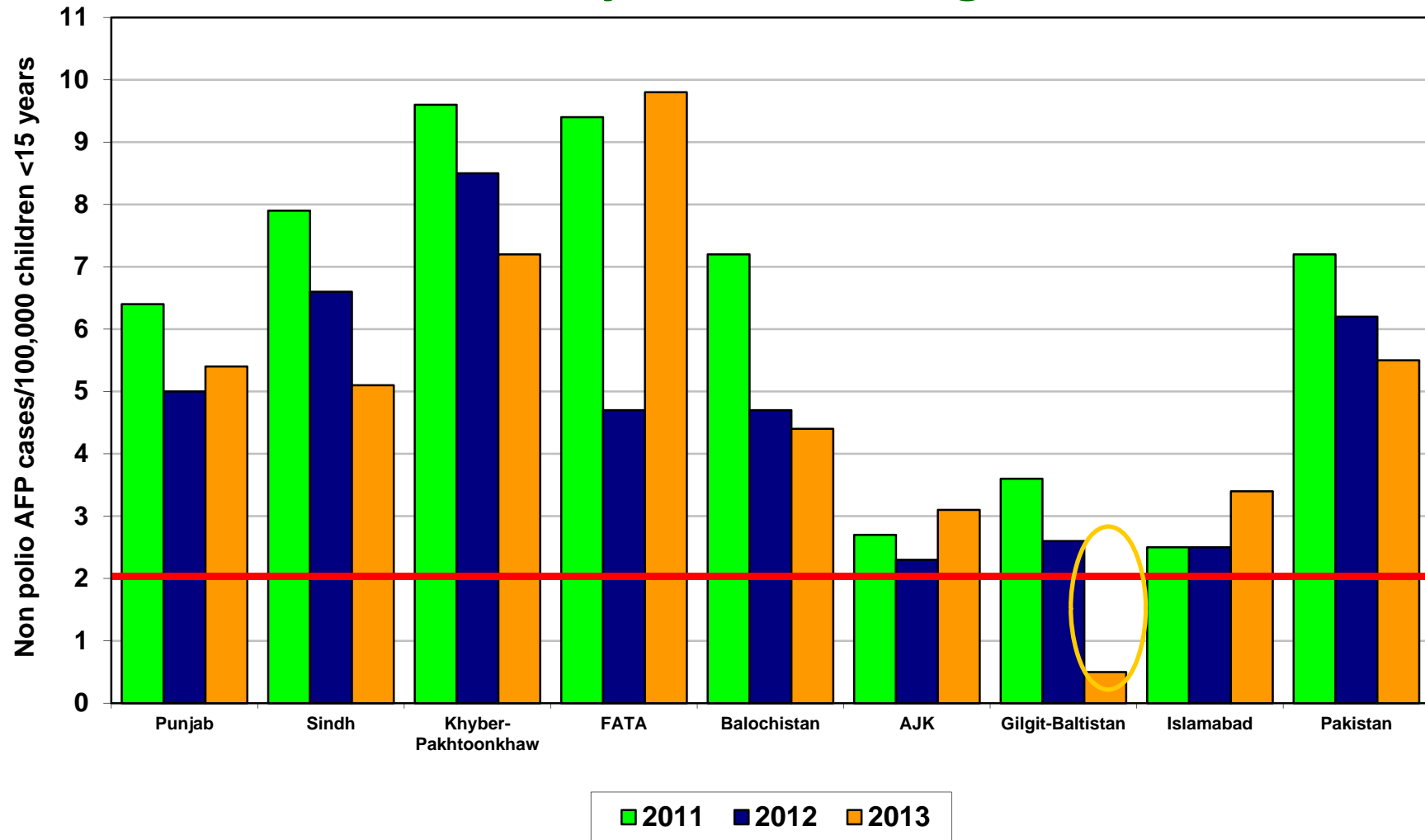
■ % AFP with Adequate Specimens

— Target

Non Polio AFP rate Up to Week No. 41 ended on 12<sup>th</sup> October, 2013

\* Afp.rec Data as of 17-10-2013

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



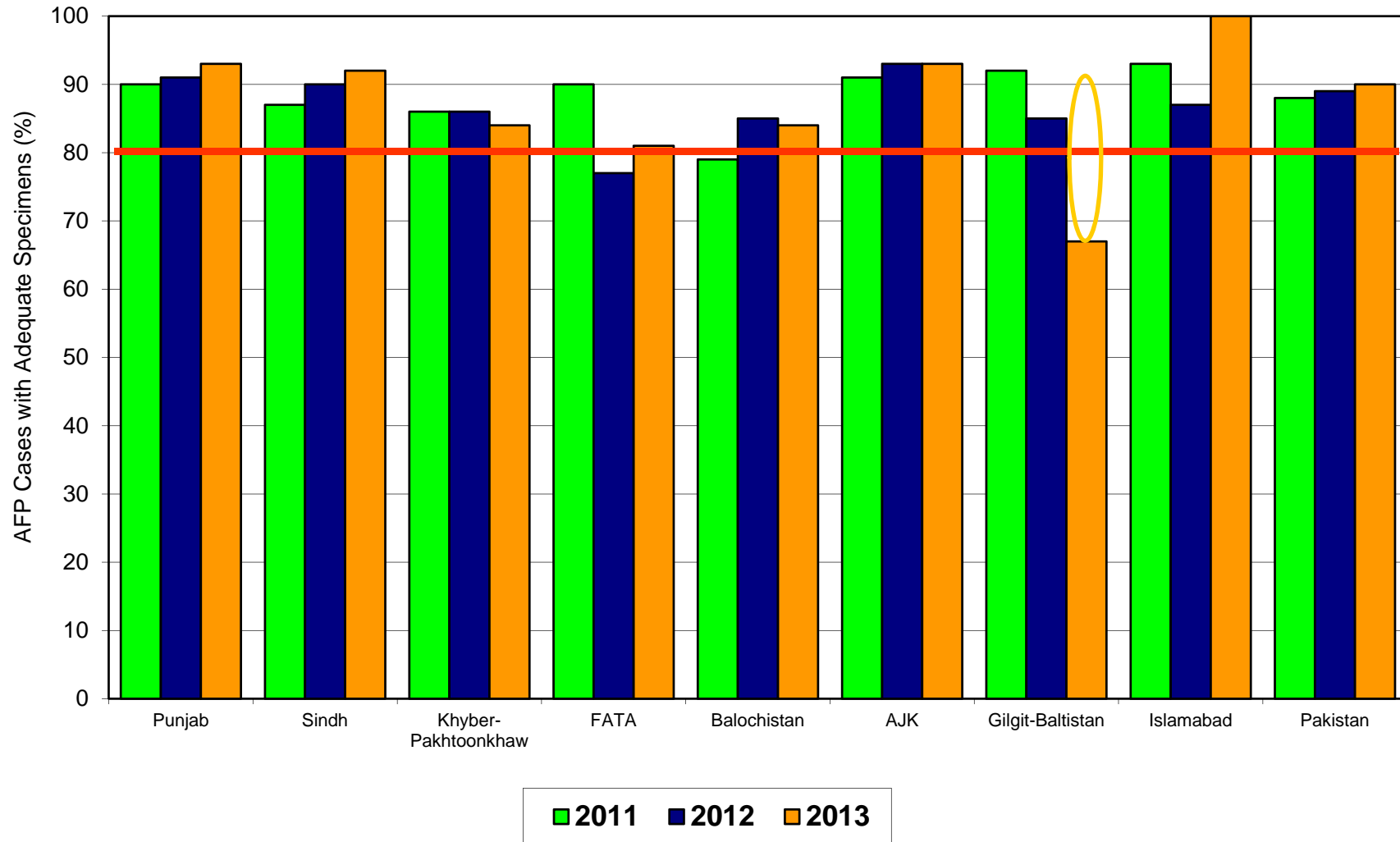
Non Polio AFP rate Up to Week No. 41 ended on 12<sup>th</sup> October, 2013

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

\* Afp.rec Data as of 17-10-2013



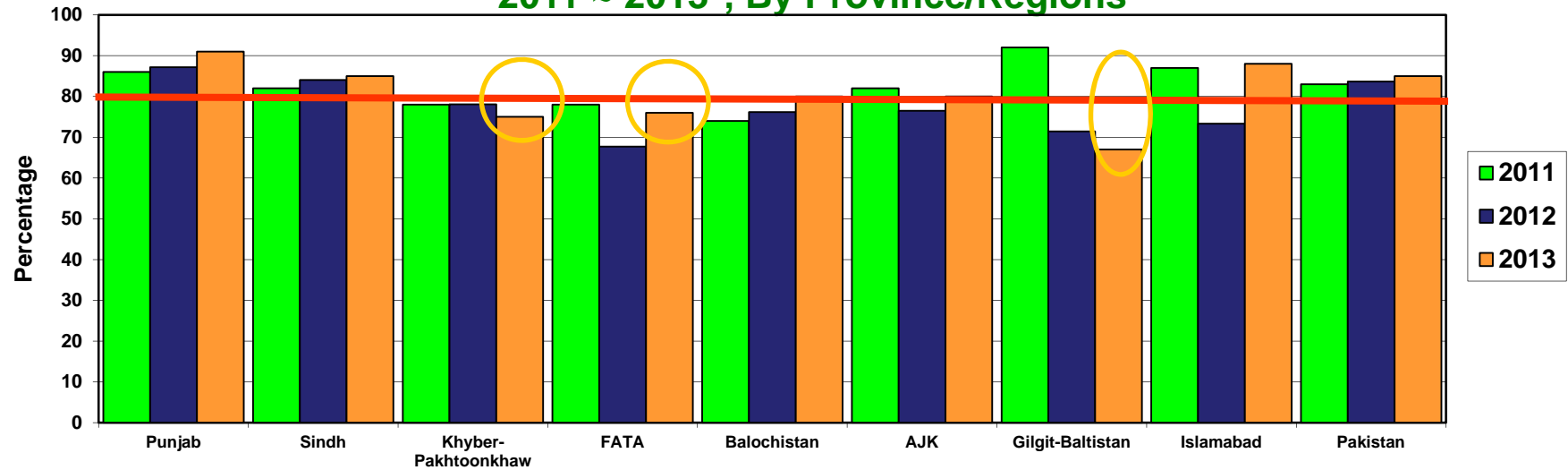
# Percent AFP Cases with Adequate Specimens By Province/Regions, 2011-2013\*



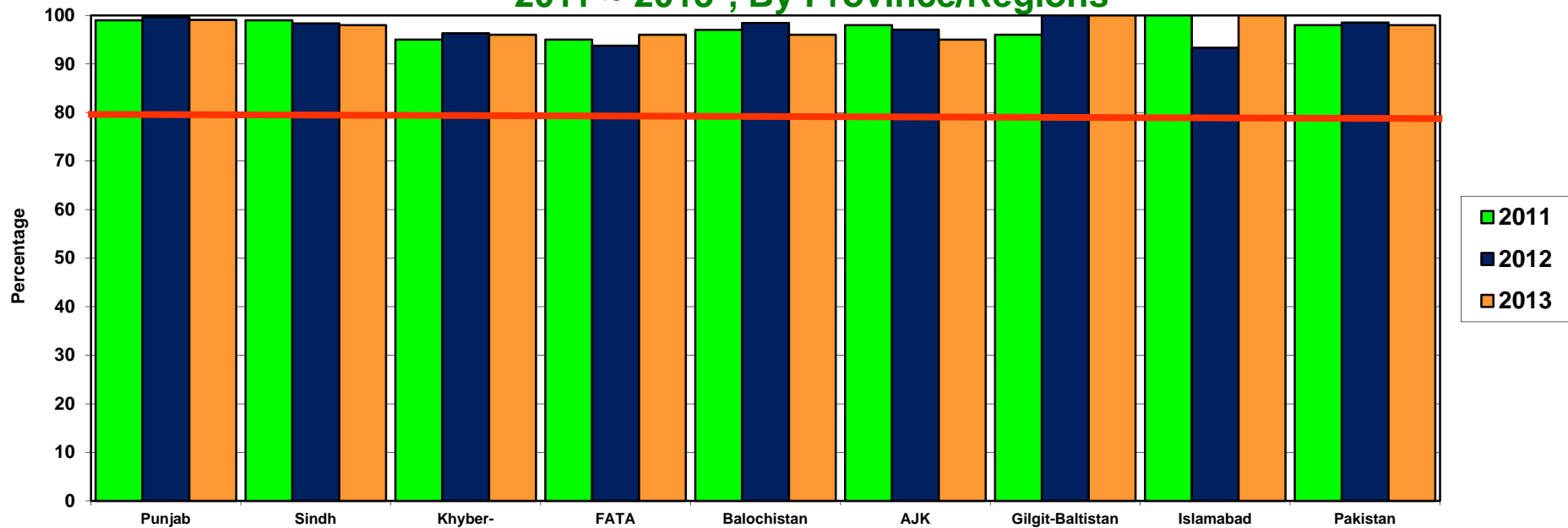
\* Afp.rec Data as of 17-10-2013

Target Adequate Sample cases = 80%

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



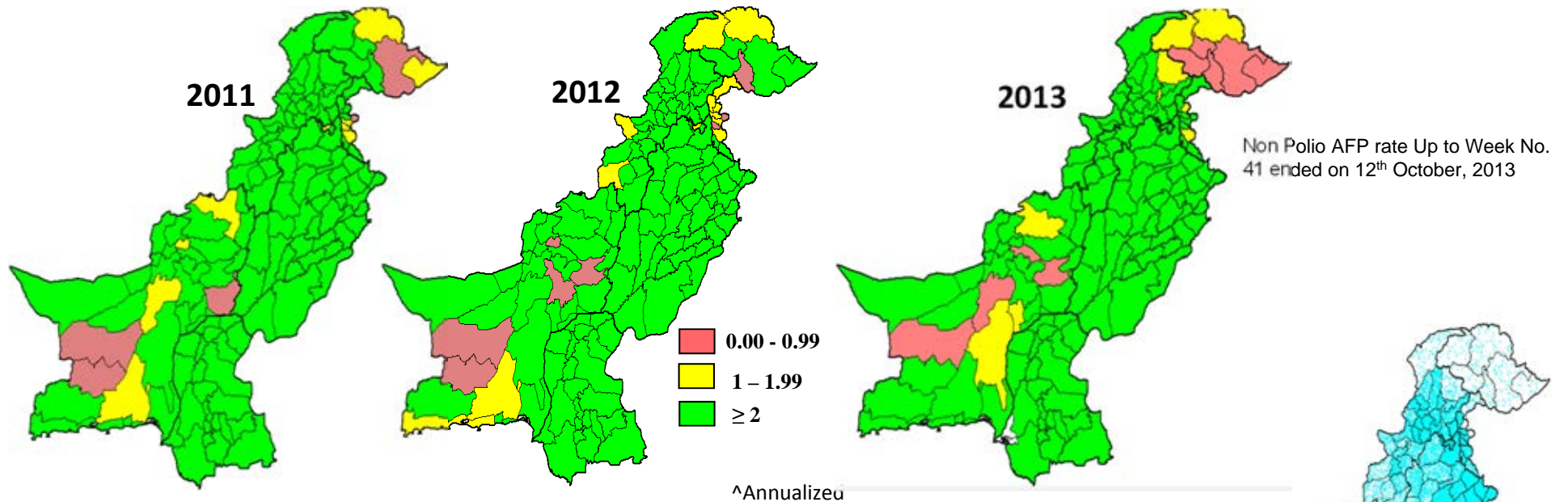
**Graph 6: Percent AFP Cases Investigated within 48 hours of notification  
2011 ~ 2013\*, By Province/Regions**



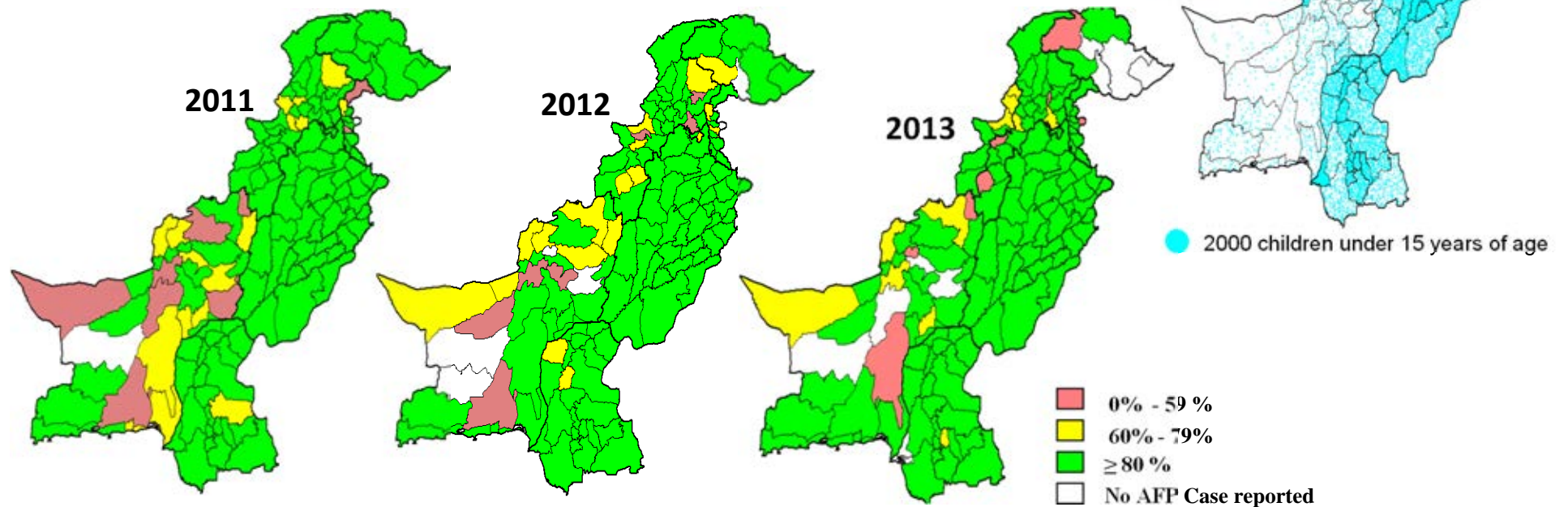
\* Afp.rec Data as of 17-10-2013

— Target

## Non-Polio<sup>^</sup> AFP Rate by District



## Percent AFP Cases with Adequate Specimens, by District



\* Afp.rec Data as of 17-10-2013

**Table 7: AFP CASES PENDING FOR CLASSIFICATION WITH DATE OF ONSET MORE THAN 90 DAYS\* 2013 (1/3)**

| 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  | 01/01/13 | 7+     | 20130215                           | 20130217 | EV  | N     | Y    | Y    | Y    | 293         |
| 2     | KHYBER      | LANDI KOTAL      | FT/34/13/003 | M   | 84  | 02/10/13 | 7+     | 20130225                           | 20130227 | NVI | Y     | N    | Y    |      | 253         |
| 3     | KHYBER      | JAMRUD           | FT/34/13/004 | F   | 16  | 20130122 | 7+     | 03/05/13                           | 03/06/13 | EV  | Y     | Y    | Y    |      | 272         |
| 4     | MARDAN      | MARDAN           | KP/40/13/007 | M   | 29  | 20130117 | 7+     | 02/06/13                           | 02/07/13 | EV  | Y     | Y    | Y    | Y    | 277         |
| 5     | PESHAWAR    | PESHAWAR         | KP/30/13/008 | M   | 96  | 20130115 | 7+     | 20130226                           | 20130227 | NVI | N     | N    | Y    | Y    | 279         |
| 6     | SWAT        | SWAT             | KP/24/13/004 | M   | 120 | 20130220 | 7+     | Child Died Before Stool Collection |          |     | Y     | N    | Y    | DIED | 243         |
| 7     | WAZIR-N     | MIRAN SHAH       | FT/64/13/001 | M   | 96  | 02/08/13 | 6      | 20130213                           |          | NVI | Y     | N    | Y    | DIED | 255         |
| 8     | BAHAWALPUR  | HASILPUR         | PB/71/13/029 | F   | 18  | 20130627 | 7+     | 20130724                           | 20130725 | EV  | Y     | Y    | Y    | Y    | 116         |
| 9     | BAHWLNAGAR  | MINCHINABAD      | PB/73/13/038 | F   | 120 | 06/08/13 | 7+     | 20130629                           | 07/01/13 | EV  | N     | N    | Y    | Y    | 135         |
| 10    | BAHWLNAGAR  | FORTABBAS        | PB/73/13/043 | M   | 102 | 20130623 | 7+     | Child Died Before Stool Collection |          |     | Y     | N    | Y    | DIED | 120         |
| 11    | FAISALABAD  | TANDLIAN WALA    | PB/51/13/049 | F   | 18  | 20130522 | 7+     | 20130627                           | 20130628 | NVI | Y     | Y    | UK   | Y    | 152         |
| 12    | GUJRANWALA  | KHIALI SHAHPUR   | PB/21/13/055 | M   | 96  | 20130614 | 7+     | 07/03/13                           | 07/05/13 | NVI | Y     | Y    | Y    | Y    | 129         |
| 13    | KHANEWAL    | KABIRWALA        | PB/62/13/042 | F   | 108 | 20130628 | 7+     | 07/07/13                           |          | NVI | Y     | N    | Y    | DIED | 115         |
| 14    | KHANEWAL    | JAHANIAN         | PB/62/13/047 | M   | 120 | 20130629 | 7+     | 20130729                           | 20130731 | NVI | Y     | N    | Y    | Y    | 114         |
| 15    | KHANEWAL    | KABIRWALA        | PB/62/13/049 | M   | 120 | 07/06/13 | 7+     | 20130828                           | 20130829 | NVI | Y     | Y    | Y    | Y    | 107         |
| 16    | LODHRAN     | LODHRAN          | PB/64/13/034 | M   | 95  | 07/04/13 | 7+     | 20130718                           | 20130725 | NVI | Y     | N    | Y    | Y    | 109         |
| 17    | LODHRAN     | LODHRAN          | PB/64/13/035 | M   | 84  | 20130522 | 7+     | 20130714                           | 20130715 | NVI | N     | N    | Y    | Y    | 152         |
| 18    | MULTAN      | JALALPUR PIRWALA | PB/61/13/046 | M   | 76  | 20130518 | 7+     | 20130617                           | 20130619 | NVI | Y     | Y    | Y    | Y    | 156         |
| 19    | MUZFARGARH  | ALIPUR           | PB/83/13/076 | M   | 2   | 07/08/13 | 1      | 08/10/13                           | 08/12/13 | NVI | N     | Y    | Y    | Y    | 105         |
| 20    | MUZFARGARH  | KOT ADDU         | PB/83/13/081 | M   | 25  | 20130713 | 7+     | 20130822                           | 20130824 | NVI | Y     | Y    | Y    | Y    | 100         |
| 21    | OKARA       | DEPALPUR         | PB/34/13/031 | M   | 24  | 20130527 | 7+     | 07/07/13                           | 07/08/13 | EV  | N     | Y    | Y    | Y    | 147         |
| 22    | PAKPATTEN   | PAKPATTAN        | PB/66/13/021 | M   | 60  | 20130614 | 7+     | Late Notified                      |          |     | Y     | Y    | Y    | Y    | 129         |
| 23    | RAJANPUR    | RAJANPUR         | PB/82/13/036 | F   | 6   | 06/03/13 | 5      | 07/07/13                           | 07/08/13 | EV  | Y     | Y    | Y    | Y    | 140         |
| 24    | RAWALPINDI  | RAWALPINDI       | PB/11/13/028 | M   | 132 | 20130513 | 7+     | 06/03/13                           | 06/05/13 | NVI | N     | N    | Y    | Y    | 161         |
| 25    | RAWALPINDI  | MURREE           | PB/11/13/041 | M   | 177 | 07/05/13 | 7+     | 20130723                           | 20130724 | NVI | N     | N    | Y    | Y    | 108         |
| 26    | SAHIWAL     | SAHIWAL          | PB/65/13/024 | M   | 120 | 06/12/13 | 7+     | 20130722                           | 20130723 | NVI | Y     | Y    | Y    | Y    | 131         |
| 27    | SAHIWAL     | CHICHAWATNI      | PB/65/13/025 | F   | 6   | 20130625 | 5      | 20130730                           | 08/01/13 | NVI | Y     | N    | Y    | Y    | 118         |
| 28    | SHEIKUPURA  | FEROZEWALA       | PB/33/13/030 | M   | 144 | 20130522 | 7+     | 20130614                           | 20130615 | NVI | N     | Y    | Y    | Y    | 152         |
| 29    | SHEIKUPURA  | MURIDKE          | PB/33/13/038 | M   | 84  | 07/03/13 | 7+     | 07/11/13                           |          | NVI | Y     | N    | Y    | DIED | 110         |
| 30    | TTSINGH     | GOJRA            | PB/52/13/032 | M   | 2   | 20130624 | 3      | 20130725                           | 20130727 | EV  | Y     | N    | Y    | Y    | 119         |
| 31    | GHOTKI      | KHANGARH         | SD/42/13/052 | M   | 72  | 20130721 | 7+     | 20130830                           | 20130831 | NVI | Y     | N    | Y    | Y    | 92          |
| 32    | HYDERABAD   | HYDERABAD RURAL  | SD/21/13/006 | M   | 84  | 04/01/13 | 7+     | Child Died Before Stool Collection |          |     | Y     | N    | Y    | DIED | 203         |
| 33    | JACOBABAD   | THUL             | SD/53/13/013 | M   | 156 | 20130516 | 7+     | 06/11/13                           | 20130615 | NVI | Y     | Y    | Y    | Y    | 158         |
| 34    | JACOBABAD   | THUL             | SD/53/13/017 | M   | 10  | 20130626 | 7+     | 20130726                           | 20130727 | EV  | Y     | Y    | Y    | Y    | 117         |
| 35    | JAMSHORO    | T.B.KHAN         | SD/25/13/009 | F   | 18  | 05/03/13 | 7+     | 20130525                           | 06/12/13 | NVI | N     | N    | Y    | Y    | 171         |
| 36    | KAMBAR      | WARAH            | SD/55/13/006 | M   | 96  | 01/01/13 | 7+     | Late Notified                      |          |     | N     | Y    | Y    | Y    | 293         |
| 37    | KASHMORE    | KANDHKOT         | SD/54/13/002 | M   | 54  | 20130527 | 7+     | Late Notified                      |          |     | N     | N    | Y    | LOST | 147         |
| 38    | KHIBALDIA   | BALDIA           | SD/61/13/005 | F   | 36  | 20130618 | 4      | Late Notified                      |          |     | N     | N    | Y    | DIED | 125         |
| 39    | KHIGADAP    | GADAP            | SD/63/13/010 | F   | 42  | 06/02/13 | 7+     | Child Died Before Stool Collection |          |     | Y     | N    | Y    | DIED | 141         |
| 40    | KHIJAMSHEED | JAMSHEED         | SD/66/13/004 | F   | 60  | 05/01/13 | 7+     | Child Died Before Stool Collection |          |     | Y     | N    | Y    | DIED | 173         |
| 41    | KHIKAMARI   | KAMARI           | SD/67/13/005 | M   | 108 | 20130625 | 7+     | 07/07/13                           | 20130715 | NVI | Y     | Y    | Y    | Y    | 118         |
| 42    | KHISADDAR   | SADDAR           | SD/77/13/004 | F   | 38  | 04/05/13 | 7+     | 05/10/13                           | 05/11/13 | NVI | N     | N    | Y    | Y    | 199         |
| 43    | NFEROZ      | BHIRIA           | SD/45/13/003 | F   | 144 | 02/05/13 | 7+     | Child Died Before Stool Collection |          |     | Y     | Y    | Y    | DIED | 258         |
| 44    | NFEROZ      | MORO             | SD/45/13/013 | F   | 54  | 05/10/13 | 7+     | 06/01/13                           | 06/02/13 | NVI | N     | Y    | Y    | Y    | 164         |

€ Based on recall of parents

\* Afp.rec Data as of 17-10-2013

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 (2/3)**

| S. No | DISTRICT   | TEHSIL         | EPID         | SEX | AGE | DONSET   | DOSE€ | DSTOOL1                            | DSTOOL2  | LAB  | FEVER | ASTM | PROG | FUP  | PEND (DAYS) |
|-------|------------|----------------|--------------|-----|-----|----------|-------|------------------------------------|----------|------|-------|------|------|------|-------------|
| 45    | SANGHAR    | KHIPRO         | SD/32/13/005 | M   | 144 | 03/05/13 | 7+    | Late Notified                      |          |      | N     | N    | Y    | Y    | 230         |
| 46    | T.ALLAHYAR | TANDO ALLAHYAR | SD/27/13/009 | M   | 4   | 20130528 | 4     | 20130624                           | 20130625 | NVI  | Y     | Y    | Y    | Y    | 146         |
| 47    | T.ALLAHYAR | J.MUREE        | SD/27/13/010 | M   | 72  | 20130613 | 7+    | Child Died Before Stool Collection |          |      | Y     | Y    | Y    | DIED | 130         |
| 48    | THATTA     | THATTA         | SD/22/13/032 | M   | 72  | 06/06/13 | 7+    | 20130715                           | 20130716 | NVI  | Y     | Y    | Y    | Y    | 137         |
| 49    | BANNU      | BANNU          | KP/61/13/010 | M   | 53  | 20130430 | 7+    | Late Notified                      |          |      | Y     | N    | N    | Y    | 174         |
| 50    | BUNIR      | DAGGAR         | KP/22/13/008 | M   | 35  | 03/12/13 | 7+    | 04/01/13                           | 04/02/13 | NVI  | Y     | Y    | Y    | Y    | 223         |
| 51    | BUNIR      | DAGGAR         | KP/22/13/007 | M   | 132 | 20130228 | 7+    | 20130330                           | 20130331 | NVI  | N     | N    | Y    | Y    | 235         |
| 52    | BUNIR      | DAGGAR         | KP/22/13/015 | M   | 72  | 01/01/13 | 7+    | Late Notified                      |          |      | Y     | Y    | Y    | Y    | 293         |
| 53    | DIKHAN     | KULACHI        | KP/60/13/013 | F   | 18  | 20130422 | 5     | 20130616                           | 20130617 | VACC | N     | Y    | Y    | Y    | 182         |
| 54    | DIKHAN     | DIKHAN         | KP/60/13/014 | M   | 54  | 20130617 | 7+    | 20130620                           |          | NVI  | Y     | Y    | Y    | DIED | 126         |
| 55    | DIRLOWER   | SAMAR BAGH     | KP/23/13/015 | F   | 13  | 20130130 | 7+    | Late Notified                      |          |      | Y     | Y    | Y    | Y    | 264         |
| 56    | HANGU      | HANGU          | KP/54/13/005 | M   | 12  | 20130621 | 7+    | 07/08/13                           | 07/09/13 | EV   | Y     | Y    | Y    |      | 122         |
| 57    | HANGU      | HANGU          | KP/54/13/004 | F   | 30  | 06/05/13 | 7+    | 07/05/13                           | 07/06/13 | EV   | Y     | N    | Y    | Y    | 138         |
| 58    | HANGU      | HANGU          | KP/54/13/008 | M   | 36  | 07/03/13 | 7+    | 20130724                           |          | EV   | Y     | N    | Y    |      | 110         |
| 59    | HARIPUR    | HARIPUR        | KP/12/13/005 | M   | 66  | 20130118 | 7+    | 20130219                           | 20130220 | EV   | N     | N    | Y    | Y    | 276         |
| 60    | HARIPUR    | HARIPUR        | KP/12/13/012 | F   | 20  | 20130418 | 7+    | 20130519                           | 20130520 | EV   | Y     | Y    | Y    | Y    | 186         |
| 61    | HARIPUR    | HARIPUR        | KP/12/13/019 | F   | 20  | 20130628 | 7+    | 20130818                           | 20130819 |      | Y     | Y    | Y    |      | 115         |
| 62    | KOHAT      | LACHI          | KP/50/13/012 | M   | 96  | 20130528 | 7+    | 20130626                           | 20130627 | NVI  | N     | N    | Y    | Y    | 146         |
| 63    | KOHAT      | LACHI          | KP/50/13/015 | M   | 21  | 20130515 | 7+    | Late Notified                      |          |      | Y     | Y    | Y    |      | 159         |
| 64    | LAKKIMRWT  | LAKKIMRWT      | KP/62/13/018 | M   | 26  | 20130522 | 7+    | 20130621                           | 20130622 |      | N     | Y    | Y    | Y    | 152         |
| 65    | MANSEHRA   | MANSEHRA       | KP/14/13/005 | M   | 168 | 20130317 | 7+    | Child Died Before Stool Collection |          |      | N     | N    | Y    | DIED | 218         |
| 66    | MANSEHRA   | MANSEHRA       | KP/14/13/010 | F   | 9   | 06/01/13 | 6     | 20130617                           | 20130619 | NVI  | Y     | N    | Y    | DIED | 142         |
| 67    | MANSEHRA   | MANSEHRA       | KP/14/13/019 | F   | 24  | 20130713 | 7+    | Child Died Before Stool Collection |          |      | UK    | UK   | Y    | DIED | 100         |
| 68    | MARDAN     | TAKHT BHAI     | KP/40/13/034 | M   | 5   | 03/10/13 | 6     | Late Notified                      |          |      | N     | Y    | UK   | Y    | 225         |
| 69    | MARDAN     | MARDAN         | KP/40/13/046 | F   | 24  | 20130615 | 7+    | 07/05/13                           | 07/06/13 | EV   | Y     | Y    | Y    | Y    | 128         |
| 70    | MARDAN     | MARDAN         | KP/40/13/073 | M   | 23  | 20130615 | 7+    | Late Notified                      |          |      | UK    | Y    | UK   | Y    | 128         |
| 71    | NOWSHERA   | NOWSHERA       | KP/32/13/012 | F   | 108 | 20130315 | 7+    | Child Died Before Stool Collection |          |      | Y     | N    | Y    | DIED | 220         |
| 72    | PESHAWAR   | PESHAWAR       | KP/30/13/022 | F   | 22  | 02/06/13 | 7+    | Late Notified                      |          |      | N     | N    | N    | Y    | 257         |
| 73    | PESHAWAR   | PESHAWAR       | KP/30/13/026 | M   | 24  | 20130417 | 0     | 20130517                           | 20130519 | EV   | Y     | Y    | Y    | Y    | 187         |
| 74    | PESHAWAR   | PESHAWAR       | KP/30/13/039 | F   | 54  | 05/03/13 | 7+    | 20130614                           | 20130615 | EV   | Y     | Y    | Y    | Y    | 171         |
| 75    | PESHAWAR   | PESHAWAR       | KP/30/13/047 | M   | 9   | 20130623 | 7+    | 07/08/13                           | 07/09/13 | NVI  | Y     | Y    | Y    |      | 120         |
| 76    | PESHAWAR   | PESHAWAR       | KP/30/13/043 | F   | 66  | 20130616 | 7+    | 07/07/13                           | 07/08/13 | NVI  | Y     | Y    | Y    | Y    | 127         |
| 77    | PESHAWAR   | PESHAWAR       | KP/30/13/052 | M   | 36  | 20130713 | 7+    | 20130727                           | 20130728 | EV   | N     | Y    | Y    |      | 100         |
| 78    | PESHAWAR   | PESHAWAR       | KP/30/13/055 | F   | 48  | 20130722 | 7+    | 08/06/13                           | 08/07/13 | NVI  | N     | Y    | Y    |      | 91          |
| 79    | PESHAWAR   | PESHAWAR       | KP/30/13/057 | F   | 21  | 20130714 | 7+    | 20130816                           | 20130817 | EV   | Y     | Y    | Y    |      | 99          |
| 80    | SHANGLA    | MARTOONG       | KP/26/13/001 | M   | 72  | 01/08/13 | 7+    | Late Notified                      |          |      | Y     | Y    | Y    | LOST | 286         |
| 81    | SHANGLA    | CHAKISAR       | KP/26/13/008 | F   | 36  | 06/01/13 | 7+    | 20130627                           | 20130731 | NVI  | Y     | Y    | Y    | Y    | 142         |
| 82    | SWAT       | SWAT           | KP/24/13/006 | F   | 132 | 04/02/13 | 7+    | 04/10/13                           |          | NVI  | N     | N    | Y    | DIED | 202         |
| 83    | SWAT       | SWAT           | KP/24/13/009 | M   | 16  | 20130419 | 7+    | 20130514                           | 20130515 | NVI  | Y     | N    | N    | Y    | 185         |
| 84    | TANK       | TANK           | KP/63/13/005 | M   | 42  | 20130225 | 7+    | 20130427                           | 20130428 | NVI  | Y     | N    | UK   | Y    | 238         |
| 85    | TANK       | TANK           | KP/63/13/008 | M   | 24  | 07/06/13 | 7+    | 20130830                           | 20130831 | EV   | N     | Y    | Y    |      | 107         |
| 86    | JAFARABAD  | SOHBAT PUR     | BN/43/13/015 | F   | 30  | 20130718 | 7+    | 20130830                           | 20130831 | EV   | Y     | Y    | Y    |      | 95          |
| 87    | QUETTA     | QUETTA CITY    | BN/11/13/006 | F   | 9   | 04/12/13 | 7+    | 20130527                           | 20130528 | NVI  | N     | Y    | Y    | Y    | 192         |
| 88    | BAJOUR     | MAMUND         | FT/33/13/007 | M   | 45  | 01/02/13 | 7+    | Late Notified                      |          |      | N     | Y    | Y    | Y    | 292         |

€ Based on recall of parents

\* Afp.rec Data as of 17-10-2013

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 (3/3)**

| S. No | DISTRICT | TEHSIL        | EPID         | SEX | AGE | DONSET   | DOSESE | DSTOOL1  | DSTOOL2  | LAB  | FEVER | ASYM | PROG | FUP | PEND (DAYS) |
|-------|----------|---------------|--------------|-----|-----|----------|--------|----------|----------|------|-------|------|------|-----|-------------|
| 89    | BAJOUR   | KHAR          | FT/33/13/018 | M   | 22  | 07/08/13 | 7+     | 20130823 | 20130824 | NVI  | Y     | Y    | Y    |     | 105         |
| 90    | BAJOUR   | MAMUND        | FT/33/13/017 | F   | 44  | 07/09/13 | 7+     | 20130813 | 20130814 | EV   | Y     | N    | N    |     | 104         |
| 91    | KHYBER   | LANDI KOTAL   | FT/34/13/005 | M   | 132 | 03/09/13 | 7+     | 03/12/13 |          | EV   | N     | N    | Y    |     | 226         |
| 92    | KHYBER   | JAMRUD        | FT/34/13/002 | F   | 24  | 20130118 | 7+     | 20130221 | 20130223 | NVI  | N     | Y    | Y    |     | 276         |
| 93    | KHYBER   | JAMRUD        | FT/34/13/017 | M   | 14  | 06/08/13 | 0      | 20130616 |          | NVI  | Y     | Y    | Y    |     | 135         |
| 94    | KHYBER   | BARA          | FT/34/13/016 | F   | 10  | 06/06/13 | 0      | 20130621 | 20130623 | NVI  | Y     | Y    | Y    |     | 137         |
| 95    | KHYBER   | BARA          | FT/34/13/018 | M   | 12  | 06/11/13 | 0      | 07/01/13 | 07/02/13 | EV   | Y     | Y    | Y    |     | 132         |
| 96    | KHYBER   | BARA          | FT/34/13/021 | F   | 18  | 20130713 | 0      | 20130725 | 20130729 | NVI  | N     | N    | Y    |     | 100         |
| 97    | MOHMAND  | PINDIALI      | FT/35/13/006 | F   | 17  | 05/05/13 | 7+     | 20130617 | 20130618 | NVI  | Y     | Y    | Y    |     | 169         |
| 98    | MOHMAND  | UPPER MOHMAND | FT/35/13/003 | F   | 18  | 20130418 | 7+     | 05/07/13 | 05/08/13 | NVI  | Y     | Y    | Y    |     | 186         |
| 99    | MOHMAND  | PINDIALI      | FT/35/13/002 | M   | 24  | 20130313 | 7+     | 20130328 | 20130329 | VACC | UK    | Y    | Y    |     | 222         |
| 100   | MOHMAND  | UPPER MOHMAND | FT/35/13/008 | M   | 26  | 05/08/13 | 7+     | 20130622 | 20130623 |      | Y     | Y    | Y    |     | 166         |
| 101   | WAZIR-N  | MIRAN SHAH    | FT/64/13/007 | M   | 48  | 20130425 | 5      | 05/10/13 | 05/12/13 | NVI  | Y     | N    | Y    | Y   | 179         |
| 102   | WAZIR-N  | MIR ALI       | FT/64/13/042 | M   | 7   | 07/03/13 | 0      | 20130829 | 20130830 | EV   | Y     | N    | Y    |     | 110         |
| 103   | WAZIR-S  | WANA          | FT/65/13/006 | F   | 26  | 20130713 | 7+     | 20130815 | 20130816 | NVI  | Y     | Y    | Y    |     | 100         |

€ Based on recall of parents

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60 days Follow-up not done

FUP = Residual Weakness at 60 days follow up.