



Table 1: Acute Flaccid Paralysis (AFP) cases by week of onset

| Country          | Reported AFP cases by week of onset - Week (26/11)/ Ending on : (03/07/11) |                |                         |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
|------------------|--|----------------|-------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
|                  | Total AFP 2009   | Total AFP 2010 | Total AFP to date, 2011 | W 15<br>17 Apr 11 | W 16<br>24 Apr 11 | W 17<br>01 May 11 | W 18<br>08 May 11 | W 19<br>15 May 11 | W 20<br>22 May 11 | W 21<br>29 May 11 | W 22<br>05 Jun 11 | W 23<br>12 Jun 11 | W 24<br>19 Jun 11 | W 25<br>26 Jun 11 | W 26<br>03 Jul 11 |
| Afghanistan      | 1477   | 1572           | 874                     | 48                | 29                | 31                | 35                | 28                | 43                | 38                | 41                | 39                | 35                | 24                | 7                 |
| Bahrain          | 7  | 10             | 2                       | 1                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 |                   |                   |
| Djibouti         | 6  | 3              | 2                       | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 |                   |                   |                   |
| Egypt            | 1126   | 1151           | 554                     | 25                | 18                | 19                | 39                | 26                | 22                | 26                | 19                | 19                | 24                | 17                | 6                 |
| Iran             | 548  | 622            | 291                     | 6                 | 10                | 13                | 14                | 9                 | 20                | 16                | 11                | 13                | 10                | 5                 | 0                 |
| Iraq             | 412  | 489            | 260                     | 9                 | 13                | 14                | 14                | 11                | 7                 | 10                | 6                 | 8                 | 8                 | 1                 |                   |
| Jordan ****      | 31   | 40             | 10                      | 0                 | 0                 | 0                 | 1                 | 0                 | 0                 | 2                 | 0                 | 1                 |                   |                   |                   |
| Kuwait           | 25   | 24             | 15                      | 1                 | 1                 | 0                 | 1                 | 1                 | 2                 | 1                 | 0                 | 0                 | 1                 | 0                 |                   |
| Lebanon ****     | 8  | 19             | 10                      | 0                 | 0                 | 2                 | 0                 | 0                 | 0                 | 1                 | 1                 | 0                 | 0                 | 0                 |                   |
| Libya            | 44   | 46             | 15                      | 5                 | 2                 | 1                 | 0                 |                   |                   |                   |                   |                   |                   |                   |                   |
| Morocco          | 115  | 100            | 41                      | 0                 | 1                 | 0                 | 2                 | 1                 | 1                 | 3                 | 1                 | 3                 | 0                 | 1                 |                   |
| Oman             | 19   | 33             | 25                      | 0                 | 0                 | 1                 | 0                 | 0                 | 0                 | 1                 | 1                 | 0                 | 0                 | 2                 | 0                 |
| Pakistan         | 5163   | 5392           | 2593                    | 86                | 137               | 127               | 135               | 120               | 127               | 144               | 120               | 112               | 83                | 30                |                   |
| Palestine ****   | 18   | 15             | 9                       | 0                 | 2                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 1                 | 1                 | 0                 | 0                 |
| Qatar            | 4  | 5              | 1                       | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 |
| Saudi Arabia     | 195  | 239            | 110                     | 3                 | 3                 | 5                 | 2                 | 1                 | 7                 | 5                 | 3                 | 3                 | 3                 | 2                 |                   |
| Somalia          | 162  | 164            | 96                      | 3                 | 5                 | 5                 | 1                 | 3                 | 4                 | 5                 | 3                 | 4                 | 2                 | 2                 |                   |
| Sudan            | 425  | 408            | 169                     | 10                | 6                 | 7                 | 10                | 5                 | 4                 | 6                 | 9                 | 5                 | 3                 | 4                 | 0                 |
| South Sudan      | 199  | 310            | 180                     | 6                 | 9                 | 7                 | 11                | 3                 | 4                 | 11                | 8                 | 14                | 5                 | 3                 |                   |
| Syria ****       | 203  | 194            | 98                      | 1                 | 0                 | 3                 | 1                 | 6                 | 3                 | 7                 | 2                 | 3                 | 4                 | 0                 |                   |
| Tunisia          | 40   | 57             | 27                      | 0                 | 1                 | 0                 | 1                 | 2                 | 0                 | 2                 | 1                 | 0                 |                   |                   |                   |
| U.A.E            | 17   | 18             | 14                      | 1                 | 0                 | 0                 | 0                 | 2                 | 0                 | 0                 | 1                 | 0                 | 1                 | 0                 | 0                 |
| Yemen            | 366  | 426            | 153                     | 6                 | 7                 | 5                 | 4                 | 8                 | 3                 | 2                 | 0                 | 0                 | 0                 |                   |                   |
| <b>Total EMR</b> | <b>10610</b>   | <b>11337</b>   | <b>5549</b>             | <b>211</b>        | <b>244</b>        | <b>240</b>        | <b>271</b>        | <b>226</b>        | <b>247</b>        | <b>280</b>        | <b>227</b>        | <b>225</b>        | <b>180</b>        | <b>91</b>         | <b>13</b>         |

No data = No report received

Table 2: Confirmed polio cases by month of onset

| Country          | Total year 2009 | Total year 2010 | 03/07     |           | Confirmed polio cases by month of onset |                |              |               |               |              |               |            |            |           |           |           |
|------------------|-----------------|-----------------|-----------|-----------|---|----------------|--------------|---------------|---------------|--------------|---------------|------------|------------|-----------|-----------|-----------|
|                  |                 |                 | 2010      | 2011      | August 2010                             | September 2010 | October 2010 | November 2010 | December 2010 | January 2011 | February 2011 | March 2011 | April 2011 | May 2011  | June 2011 | July 2011 |
| Afghanistan      | 38              | 25              | 12        | 8         | 5                                       | 1              | 2            | 3             | 1             | 1            | 0             | 0          | 2          | 4         | 1         |           |
| Bahrain          | 0               | 0               | 0         | 0         | 0                                       | 0              | 0            | 0             | 0             | 0            | 0             | 0          | 0          | 0         |           |           |
| Djibouti         | 0               | 0               | 0         | 0         | 0                                       | 0              | 0            | 0             | 0             | 0            | 0             | 0          | 0          | 0         |           |           |
| Egypt            | 0               | 0               | 0         | 0         | 0                                       | 0              | 0            | 0             | 0             | 0            | 0             |            |            |           |           |           |
| Iran             | 0               | 0               | 0         | 0         | 0                                       | 0              | 0            | 0             | 0             | 0            | 0             | 0          | 0          |           |           |           |
| Iraq             | 0               | 0               | 0         | 0         | 0                                       | 0              | 0            | 0             | 0             | 0            | 0             | 0          | 0          |           |           |           |
| Jordan ****      | 0               | 0               | 0         | 0         | 0                                       | 0              | 0            | 0             | 0             | 0            | 0             | 0          | 0          |           |           |           |
| Kuwait           | 0               | 0               | 0         | 0         | 0                                       | 0              | 0            | 0             | 0             | 0            | 0             | 0          | 0          | 0         |           |           |
| Lebanon ****     | 0               | 0               | 0         | 0         | 0                                       | 0              | 0            | 0             | 0             | 0            | 0             | 0          |            |           | 0         |           |
| Libya            | 0               | 0               | 0         | 0         | 0                                       | 0              | 0            | 0             | 0             | 0            | 0             |            |            |           |           |           |
| Morocco          | 0               | 0               | 0         | 0         | 0                                       | 0              | 0            | 0             | 0             | 0            | 0             | 0          | 0          |           |           |           |
| Oman             | 0               | 0               | 0         | 0         | 0                                       | 0              | 0            | 0             | 0             | 0            | 0             | 0          | 0          | 0         |           |           |
| Pakistan         | 89              | 144             | 31        | 58        | 15                                      | 41             | 29           | 15            | 7             | 8            | 8             | 11         | 12         | 13        | 6         |           |
| Palestine ****   | 0               | 0               | 0         | 0         | 0                                       | 0              | 0            | 0             | 0             | 0            | 0             | 0          | 0          | 0         |           |           |
| Qatar            | 0               | 0               | 0         | 0         | 0                                       | 0              | 0            | 0             | 0             | 0            | 0             | 0          | 0          | 0         | 0         |           |
| Saudi Arabia     | 0               | 0               | 0         | 0         | 0                                       | 0              | 0            | 0             | 0             | 0            | 0             | 0          |            |           |           |           |
| Somalia          | 0               | 0               | 0         | 0         | 0                                       | 0              | 0            | 0             | 0             | 0            | 0             | 0          | 0          |           |           |           |
| Sudan            | 5               | 0               | 0         | 0         | 0                                       | 0              | 0            | 0             | 0             | 0            | 0             | 0          | 0          | 0         |           |           |
| South Sudan      | 40              | 0               | 0         | 0         | 0                                       | 0              | 0            | 0             | 0             | 0            | 0             | 0          | 0          |           |           |           |
| Syria ****       | 0               | 0               | 0         | 0         | 0                                       | 0              | 0            | 0             | 0             | 0            | 0             | 0          | 0          | 0         |           |           |
| Tunisia          | 0               | 0               | 0         | 0         | 0                                       | 0              | 0            | 0             | 0             | 0            | 0             | 0          | 0          | 0         |           |           |
| U.A.E            | 0               | 0               | 0         | 0         | 0                                       | 0              | 0            | 0             | 0             | 0            | 0             | 0          | 0          | 0         |           |           |
| Yemen            | 0               | 0               | 0         | 0         | 0                                       | 0              | 0            | 0             | 0             | 0            |               |            |            |           |           |           |
| <b>Total EMR</b> | <b>172</b>      | <b>169</b>      | <b>43</b> | <b>66</b> | <b>20</b>                               | <b>42</b>      | <b>31</b>    | <b>18</b>     | <b>8</b>      | <b>9</b>     | <b>8</b>      | <b>11</b>  | <b>14</b>  | <b>17</b> | <b>7</b>  | <b>0</b>  |

\*\*\*\* UNRWA cases are included with those of country of residence



Table 3: Investigation of AFP cases with paralysis onset in 2010 & 2011 (up to week 26 ending 03 July 2011)

| COUNTRY      | 2010                       |                               |                  |                        |                           |      |                       |  |  |                               |                    |                    | 2011                       |                               |                  |                        |                           |      |                                  |  |  |                               |                    |                    | Latest line List Date |          |  |  |               |  |  |
|--------------|----------------------------|-------------------------------|------------------|------------------------|---------------------------|------|-----------------------|--|--|-------------------------------|--------------------|--------------------|----------------------------|-------------------------------|------------------|------------------------|---------------------------|------|----------------------------------|--|--|-------------------------------|--------------------|--------------------|-----------------------|----------|--|--|---------------|--|--|
|              | AFP                        |                               |                  |                        |                           |      |                       |  |  | Specimen                      |                    |                    | Wild isolates              |                               |                  | AFP                    |                           |      |                                  |  |  |                               |                    |                    |                       | Specimen |  |  | Wild isolates |  |  |
|              | Total AFP cases onset 2010 | Case classification           |                  |                        |                           |      | Non polio AFP rate ** | AFP cases pending classification > 90 days from onset of paralysis | AFP cases pending classification and lab > 90 days from onset of paralysis | % with *** adequate specimens | Wild P1 Poliovirus | Wild P3 Poliovirus | Total AFP cases onset 2011 | Case classification           |                  |                        |                           |      | Annualized Non polio AFP rate ** | AFP cases pending classification > 90 days from onset of paralysis | AFP cases pending classification and lab > 90 days from onset of paralysis | % with *** adequate specimens | Wild P1 Poliovirus | Wild P3 Poliovirus |                       |          |  |  |               |  |  |
|              |                            | Total Confirmed Polio Cases * | Polio Compatible | Pending Classification | Discarded (non polio AFP) | VDPV |                       |  |  |                               |                    |                    |                            | Total Confirmed Polio Cases * | Polio Compatible | Pending Classification | Discarded (non polio AFP) | VDPV |                                  |  |  |                               |                    |                    |                       |          |  |  |               |  |  |
| Afghanistan  | 1572                       | 25                            | 5                | 0                      | 1537                      | 5    | 9.08                  | 0  | 0  | 92.62                         | 17                 | 8                  | 874                        | 8                             | 0                | 102                    | 763                       | 1    | 9.87                             | 3  | 2  | 93.82                         | 8                  | 0                  | 03/07/2011            |          |  |  |               |  |  |
| Bahrain      | 10                         | 0                             | 0                | 0                      | 10                        | 0    | 4.87                  | 0  | 0  | 80.00                         | 0                  | 0                  | 2                          | 0                             | 0                | 0                      | 2                         | 0    | 1.93                             | 0  | 0  | 100.00                        | 0                  | 0                  | 19/06/2011            |          |  |  |               |  |  |
| Djibouti     | 3                          | 0                             | 0                | 0                      | 3                         | 0    | 1.23                  | 0  | 0  | 33.33                         | 0                  | 0                  | 2                          | 0                             | 0                | 2                      | 0                         | 0    | 1.38                             | 2  | 1  | 100.00                        | 0                  | 0                  | 12/06/2011            |          |  |  |               |  |  |
| Egypt        | 1151                       | 0                             | 0                | 0                      | 1151                      | 0    | 3.73                  | 0  | 0  | 94.87                         | 0                  | 0                  | 554                        | 0                             | 0                | 86                     | 467                       | 0    | 3.57                             | 0  | 0  | 91.34                         | 0                  | 0                  | 30/06/2011            |          |  |  |               |  |  |
| Iran         | 622                        | 0                             | 0                | 0                      | 622                       | 0    | 3.51                  | 0  | 0  | 90.68                         | 0                  | 0                  | 291                        | 0                             | 0                | 28                     | 263                       | 0    | 3.24                             | 0  | 0  | 88.32                         | 0                  | 0                  | 03/07/2011            |          |  |  |               |  |  |
| Iraq         | 489                        | 0                             | 0                | 0                      | 489                       | 1    | 3.39                  | 0  | 0  | 86.91                         | 0                  | 0                  | 260                        | 0                             | 0                | 49                     | 211                       | 0    | 3.58                             | 3  | 0  | 89.23                         | 0                  | 0                  | 01/07/2011            |          |  |  |               |  |  |
| Jordan       | 40                         | 0                             | 0                | 0                      | 40                        | 0    | 1.76                  | 0  | 0  | 95.00                         | 0                  | 0                  | 10                         | 0                             | 0                | 6                      | 4                         | 0    | 0.77                             | 2  | 0  | 100.00                        | 0                  | 0                  | 16/06/2011            |          |  |  |               |  |  |
| Kuwait       | 24                         | 0                             | 0                | 0                      | 24                        | 0    | 3.33                  | 0  | 0  | 100.00                        | 0                  | 0                  | 15                         | 0                             | 0                | 1                      | 14                        | 0    | 4                                | 0  | 0  | 86.67                         | 0                  | 0                  | 26/06/2011            |          |  |  |               |  |  |
| Lebanon      | 19                         | 0                             | 0                | 0                      | 19                        | 0    | 1.72                  | 0  | 0  | 47.37                         | 0                  | 0                  | 10                         | 0                             | 0                | 8                      | 2                         | 0    | 1.8                              | 4  | 3  | 50.00                         | 0                  | 0                  | 02/07/2011            |          |  |  |               |  |  |
| Libya        | 46                         | 0                             | 0                | 0                      | 46                        | 0    | 2.25                  | 0  | 0  | 100.00                        | 0                  | 0                  | 15                         | 0                             | 0                | 9                      | 6                         | 0    | 1.45                             | 1  | 1  | 86.67                         | 0                  | 0                  | 12/05/2011            |          |  |  |               |  |  |
| Morocco      | 100                        | 0                             | 0                | 0                      | 100                       | 0    | 1.01                  | 0  | 0  | 78.00                         | 0                  | 0                  | 41                         | 0                             | 0                | 9                      | 32                        | 0    | 0.82                             | 1  | 0  | 82.93                         | 0                  | 0                  | 01/07/2011            |          |  |  |               |  |  |
| Oman         | 33                         | 0                             | 0                | 0                      | 33                        | 0    | 4.28                  | 0  | 0  | 87.88                         | 0                  | 0                  | 25                         | 0                             | 0                | 2                      | 23                        | 0    | 6.43                             | 0  | 0  | 96.00                         | 0                  | 0                  | 03/07/2011            |          |  |  |               |  |  |
| Pakistan     | 5392                       | 144                           | 24               | 0                      | 5224                      | 0    | 6.34                  | 0  | 0  | 88.41                         | 120                | 24                 | 2593                       | 58                            | 4                | 289                    | 2242                      | 0    | 6.08                             | 32   | 8  | 90.36                         | 57                 | 1                  | 02/07/2011            |          |  |  |               |  |  |
| Palestine    | 15                         | 0                             | 0                | 0                      | 15                        | 0    | 0.94                  | 0  | 0  | 100.00                        | 0                  | 0                  | 9                          | 0                             | 0                | 2                      | 7                         | 0    | 1.11                             | 0  | 0  | 100.00                        | 0                  | 0                  | 03/07/2011            |          |  |  |               |  |  |
| Qatar        | 5                          | 0                             | 0                | 0                      | 5                         | 0    | 2.14                  | 0  | 0  | 80.00                         | 0                  | 0                  | 1                          | 0                             | 0                | 0                      | 1                         | 0    | 0.85                             | 0  | 0  | 100.00                        | 0                  | 0                  | 03/07/2011            |          |  |  |               |  |  |
| Saudi Arabia | 239                        | 0                             | 0                | 0                      | 239                       | 0    | 2.83                  | 0  | 0  | 96.65                         | 0                  | 0                  | 110                        | 0                             | 0                | 32                     | 78                        | 0    | 2.53                             | 0  | 0  | 97.27                         | 0                  | 0                  | 02/07/2011            |          |  |  |               |  |  |
| Somalia      | 164                        | 0                             | 0                | 0                      | 160                       | 4    | 3.38                  | 0  | 0  | 99.39                         | 0                  | 0                  | 96                         | 0                             | 0                | 13                     | 79                        | 4    | 3.8                              | 1  | 0  | 98.96                         | 0                  | 0                  | 01/07/2011            |          |  |  |               |  |  |
| Sudan        | 408                        | 0                             | 0                | 0                      | 408                       | 0    | 2.80                  | 0  | 0  | 97.30                         | 0                  | 0                  | 169                        | 0                             | 0                | 11                     | 158                       | 0    | 2.26                             | 0  | 0  | 97.63                         | 0                  | 0                  | 03/07/2011            |          |  |  |               |  |  |
| South Sudan  | 310                        | 0                             | 2                | 0                      | 308                       | 0    | 4.06                  | 0  | 0  | 92.90                         | 0                  | 0                  | 180                        | 0                             | 0                | 34                     | 145                       | 1    | 4.69                             | 1  | 0  | 92.78                         | 0                  | 0                  | 01/07/2011            |          |  |  |               |  |  |
| Syria        | 194                        | 0                             | 0                | 0                      | 193                       | 1    | 2.02                  | 0  | 0  | 95.36                         | 0                  | 0                  | 98                         | 0                             | 0                | 7                      | 91                        | 0    | 1.97                             | 1  | 0  | 93.88                         | 0                  | 0                  | 29/06/2011            |          |  |  |               |  |  |
| Tunisia      | 57                         | 0                             | 0                | 0                      | 57                        | 0    | 2.18                  | 0  | 0  | 92.98                         | 0                  | 0                  | 27                         | 0                             | 0                | 3                      | 24                        | 0    | 2.11                             | 0  | 0  | 96.30                         | 0                  | 0                  | 17/06/2011            |          |  |  |               |  |  |
| U.A.E        | 18                         | 0                             | 0                | 0                      | 18                        | 0    | 1.78                  | 0  | 0  | 100.00                        | 0                  | 0                  | 14                         | 0                             | 0                | 1                      | 13                        | 0    | 2.75                             | 0  | 0  | 100.00                        | 0                  | 0                  | 03/07/2011            |          |  |  |               |  |  |
| Yemen        | 426                        | 0                             | 0                | 0                      | 426                       | 0    | 3.86                  | 0  | 0  | 96.48                         | 0                  | 0                  | 153                        | 0                             | 0                | 81                     | 72                        | 0    | 2.73                             | 43   | 43   | 95.42                         | 0                  | 0                  | 25/06/2011            |          |  |  |               |  |  |
| EMR          | 11337                      | 169                           | 31               | 0                      | 11127                     | 11   | 4.63                  | 0  | 0  | 90.87                         | 137                | 32                 | 5549                       | 66                            | 4                | 775                    | 4697                      | 6    | 4.48                             | 94   | 58   | 91.60                         | 65                 | 1                  |                       |          |  |  |               |  |  |
| 2009         | 10610                      | 172                           | 29               | 0                      | 10401                     | 8    | 4.40                  | 0  | 0  | 91.06                         | 122                | 52                 |                            |                               |                  |                        |                           |      |                                  |  |  |                               |                    |                    |                       |          |  |  |               |  |  |

\* Confirmed polio cases refer to wild isolation from AFP cases or from contacts of negative index AFP cases

\*\* Non-polio AFP per 100,000 children <15 years

\*\*\* Adequate here refers to two stool specimens collected at least 24 hours apart, within 14 days of paralysis onset

\*\*\*\* AFP cases co infected with P1 and P3 are counted separately as wild isolates



**Table 4: Investigation of contacts of AFP cases with paralysis onset in 2011 (up to week 26 ending 03/07/ 2011)**

| Country                 | No. of AFP cases | No. of eligible AFP cases for contact sampling* | % of eligible AFP cases with contact samplings | % of eligible AFP cases with 3+ contacts | Total number of Contacts** | % of contacts under 5 years | % of contacts with specimens collected within 7 days of notification of index | % Contact specimens in lab within 3 days of collection | % Contact specimens positive for NPEV | % Contact specimens positive for Sabin like virus | No. of contacts positive for wild virus | % of wild polio virus isolation from contacts | No. of Contacts positive for VDPVs | No. of -ve index AFP cases identified positive by contact | No. of district identified infected from contacts |
|-------------------------|------------------|---|--|--|----------------------------|-----------------------------|---|--|---------------------------------------|---|---|---|------------------------------------|---|---|
| Afghanistan             | 874              | 54  | 85.2   | 85.2                                     | 328                        | 95.4                        | 72.6  | 33.7   | 21.2                                  | 4.0   | 3                                       | 1.0   |                                    | 2   | 2   |
| Bahrain                 | 2                | 0   |  |  | 0                          |                             |   |  |                                       |   | 0                                       |   |                                    | 0   | 0   |
| Djibouti                | 2                | 0   |  |  | 0                          |                             |   |  |                                       |   | 0                                       |   |                                    | 0   | 0   |
| Egypt                   | 554              | 58  | 63.8   | 63.8                                     | 216                        | 78.2                        | 75.0  | 95.3   | 8.4                                   | 3.7   | 0                                       | 0.0   |                                    | 0   | 0   |
| Iran                    | 291              | 34  | 0.0  | 0.0                                      | 0                          |                             |   |  |                                       |   | 0                                       |   |                                    | 0   | 0   |
| Iraq                    | 260              | 28  | 75.0   | 67.9                                     | 87                         | 80.5                        | 33.3  | 79.7   | 15.9                                  | 0.0   | 0                                       | 0.0   |                                    | 0   | 0   |
| Jordan                  | 10               | 0   |  |  | 0                          |                             |   |  |                                       |   | 0                                       |   |                                    | 0   | 0   |
| Kuwait                  | 15               | 2   | 50.0   | 50.0                                     | 32                         | 53.1                        | 71.9  | 100.0  | 4.0                                   | 0.0   | 0                                       | 0.0   |                                    | 0   | 0   |
| Lebanon                 | 10               | 5   | 0.0  | 0.0                                      | 0                          |                             |   |  |                                       |   | 0                                       |   |                                    | 0   | 0   |
| Libya                   | 15               | 2   | 0.0  | 0.0                                      | 0                          |                             |   |  |                                       |   | 0                                       |   |                                    | 0   | 0   |
| Morocco                 | 41               | 7   | 42.9   | 28.6                                     | 17                         | 47.1                        | 41.2  | 64.7   | 0.0                                   | 0.0   | 0                                       | 0.0   |                                    | 0   | 0   |
| Oman                    | 25               | 1   | 0.0  | 0.0                                      | 22                         | 95.5                        | 77.3  | 100.0  | 22.7                                  | 9.1   | 0                                       | 0.0   |                                    | 0   | 0   |
| Pakistan                | 2593             | 250   | 86.4   | 85.6                                     | 750                        | 91.7                        | 66.1  | 77.3   | 25.3                                  | 5.5   | 6                                       | 0.9   |                                    | 3   | 2   |
| Palestine               | 9                | 0   |  |  | 0                          |                             |   |  |                                       |   | 0                                       |   |                                    | 0   | 0   |
| Qatar                   | 1                | 0   |  |  | 0                          |                             |   |  |                                       |   | 0                                       |   |                                    | 0   | 0   |
| Saudi Arabia            | 110              | 3   | 66.7   | 66.7                                     | 10                         | 90.0                        | 0.0   | 60.0   | 0.0                                   | 0.0   | 0                                       | 0.0   |                                    | 0   | 0   |
| Somalia                 | 96               | 1   | 100.0  | 100.0                                    | 281                        | 89.7                        | 97.9  | 12.1   | 9.6                                   | 6.7   | 0                                       | 0.0   | 7                                  | 0   | 0   |
| Sudan                   | 169              | 4   | 75.0   | 75.0                                     | 90                         | 75.6                        | 78.9  | 47.9   | 7.0                                   | 7.0   | 0                                       | 0.0   |                                    | 0   | 0   |
| South Sudan             | 180              | 13  | 92.3   | 84.6                                     | 485                        | 84.9                        | 89.5  | 1.0  | 11.3                                  | 2.6   | 0                                       | 0.0   | 1                                  | 0   | 0   |
| Syria                   | 98               | 6   | 83.3   | 66.7                                     | 28                         | 82.1                        | 57.1  | 82.1   | 0.0                                   | 0.0   | 0                                       | 0.0   |                                    | 0   | 0   |
| Tunisia                 | 27               | 1   | 0.0  | 0.0                                      | 15                         | 40.0                        | 66.7  | 100.0  | 0.0                                   | 0.0   | 0                                       | 0.0   |                                    | 0   | 0   |
| U.A.E.                  | 14               | 0   |  |  | 0                          |                             |   |  |                                       |   | 0                                       |   |                                    | 0   | 0   |
| Yemen                   | 153              | 7   | 100.0  | 85.7                                     | 41                         | 70.7                        | 63.4  | 0.0  | 0.0                                   | 0.0   | 0                                       | 0.0   |                                    | 0   | 0   |
| <b>Grand Total 2011</b> | <b>5549</b>      | <b>476</b>                                      | <b>74.4</b>                                    | <b>72.7</b>                              | <b>2402</b>                | <b>86.8</b>                 | <b>75.1</b>   | <b>50.0</b>  | <b>16.5</b>                           | <b>4.3</b>  | <b>9</b>                                | <b>0.4</b>                                    | <b>8</b>                           | <b>5</b>  | <b>4</b>  |
| <b>Grand Total 2010</b> | <b>11337</b>     | <b>1061</b>                                     | <b>80.0</b>                                    | <b>75.5</b>                              | <b>5097</b>                | <b>83.0</b>                 | <b>71.9</b>   | <b>53.5</b>  | <b>18.8</b>                           | <b>3.3</b>  | <b>13</b>                               | <b>0.3</b>                                    | <b>7</b>                           | <b>8</b>  | <b>4</b>  |

\* Eligible refers to AFP cases with inadequate stool specimens

\*\* Total number of contacts from eligible AFP cases and from other AFP cases as per with country criteria for contact sampling

**Last wild contacts in EMRO, 01/01/2011-03/07/2011**

| Year               | Country     | Data                   | Date of Most Recent stool collection |
|--------------------|-------------|------------------------|--------------------------------------|
|                    |             | Count of wild contacts |                                      |
| 2011               | Pakistan    | 6                      | 04/06/2011                           |
|                    | Afghanistan | 3                      | 30/05/2011                           |
| <b>Grand Total</b> |             | <b>9</b>               | <b>04/06/2011</b>                    |



Table 5: Laboratory investigation of AFP cases with paralysis onset in 2011 (up to week 26 ending 03 June 2011)

| Country               | Polio laboratories<br><br>Sequencing performed by CDC and RIVM laboratories | AFP cases with specimens | Preliminary virus isolation results of AFP cases |            |             |             |                     |                        | Poliovirus intratypic differentiation results # |            |          |            |          |           |            |          |          | Indicators                  |             |          |             | Latest report Date |                                |   |  |  |
|-----------------------|---|--------------------------|--|------------|-------------|-------------|---------------------|------------------------|---|------------|----------|------------|----------|-----------|------------|----------|----------|-----------------------------|-------------|----------|-------------|--------------------|--------------------------------|---|--|--|
|                       |   |                          | Referred for ITD                                 |            | NPEV only   | Negative    | Pending             |                        | Type 1  |            |          | Type 2     |          |           | Type 3     |          |          | Discordant pending sequence | NPEV by PCR | Non-EV   | Pending ITD |                    | % specimens positive for NPEV* | % AFP cases with culture results within 14 days | % AFP cases with ITD results within 7 days | % AFP cases with ITD results within 45 days of onset** |
|                       |   |                          | L20B+  | L20B+/NPEV |             |             | received <= 14 days | received > 14 days ago | Wild  | Sabin      | VDPV     | Wild       | Sabin    | VDPV      | Wild       | Sabin    | VDPV     |                             |             |          |             |                    |                                |   |  |  |
| Afghanistan           | RRL Pakistan  | 852                      | 39   |            | 149         | 603         | 60                  | 1                      | 6   | 20         |          | 3          | 1        |           | 14         |          |          |                             | 3           |          |             | 17%                | 100%                           | 100%  | 98%  | 02/07/2011   |
| Bahrain               | PNL Oman  | 2                        |  |            | 1           | 1           |                     |                        |   |            |          |            |          |           |            |          |          |                             |             |          |             | 50%                | 100%                           |   | 100%                                       | 03/07/2011   |
| Djibouti              | NPL Kenya   | 2                        |  |            | 1           |             |                     | 1                      |   |            |          |            |          |           |            |          |          |                             |             |          |             | 100%               |                                |   | 100%                                       | 12/06/2011   |
| Egypt***              | RRL Egypt   | 534                      | 12   | 2          | 31          | 445         | 32                  | 12                     |   | 3          | 1        |            | 1        |           | 5          |          | 1        | 1                           | 2           | 2        |             | 7%                 | 91%                            | 100%  | 99%  | 03/07/2011   |
| Iran                  | NPL Iran  | 292                      | 10   |            | 2           | 263         | 16                  | 1                      |   |            |          |            | 2        | 1         | 2          |          | 1        |                             | 4           |          |             | 0%                 | 100%                           | 100%  | 99%  | 02/07/2011   |
| Iraq                  | NPL Iraq, RRL Egypt   | 258                      | 7  |            | 41          | 174         | 16                  | 23                     |   | 2          |          |            | 3        |           | 3          |          |          |                             |             |          |             | 18%                | 100%                           | 100%  | 71%  | 01/07/2011   |
| Jordan                | NPL Jordan, RRL Tunisia   | 11                       |  |            |             | 11          |                     |                        |   |            |          |            |          |           |            |          |          |                             |             |          |             | 7%                 | 91%                            |   |  | 03/07/2011   |
| Kuwait                | RRL Kuwait  | 18                       |  |            |             | 17          |                     | 1                      |   |            |          |            |          |           |            |          |          |                             |             |          |             | 2%                 | 88%                            |   | 100%                                       | 19/06/2011   |
| Lebanon               | RRL Egypt   | 9                        |  |            |             | 4           | 5                   |                        |   |            |          |            |          |           |            |          |          |                             |             |          |             | 0%                 | 100%                           |   |  | 03/07/2011   |
| Libya                 | RRL Tunisia   | 16                       | 1  |            |             | 15          |                     |                        |   | 1          |          |            |          |           |            |          |          |                             |             |          |             | 0%                 | 94%                            | 100%  | 88%  | 01/07/2011   |
| Morocco               | NPL Morocco, RRL Tunisia  | 39                       |  |            | 1           | 32          | 2                   | 4                      |   |            |          |            |          |           |            |          |          |                             |             |          |             | 4%                 | 100%                           |   |  | 01/07/2011   |
| Oman                  | NPL Oman  | 23                       |  |            | 4           | 19          |                     |                        |   |            |          |            |          |           |            |          |          |                             |             |          |             | 12%                | 96%                            |   | 100%                                       | 03/07/2011   |
| Pakistan              | RRL Pakistan  | 2634                     | 165  | 17         | 456         | 1816        | 180                 |                        | 54  | 58         |          |            | 28       |           | 1          | 69       |          | 1                           | 21          |          |             | 17%                | 100%                           | 99%   | 98%  | 02/07/2011   |
| Palestine & UNRWA     |   | 9                        |  |            | 1           | 6           | 1                   | 1                      |   |            |          |            |          |           |            |          |          |                             |             |          |             | 14%                | 0%                             |   | 86%  | 03/07/2011   |
| Qatar                 | NPL Oman  | 1                        |  |            |             | 1           |                     |                        |   |            |          |            |          |           |            |          |          |                             |             |          |             | 0%                 | 100%                           |   | 100%                                       | 03/07/2011   |
| Saudi Arabia          | NPL Saudi Arabia, NPL Oman  | 106                      | 1  |            |             | 81          |                     | 24                     |   |            |          |            | 1        |           |            |          |          |                             |             |          |             | 1%                 | 80%                            | 100%  | 100%                                       | 19/06/2011   |
| Somalia               | NPL Kenya   | 96                       | 10   |            | 11          | 63          | 2                   | 10                     |   |            |          |            | 5        | 1         |            | 4        |          |                             |             |          |             | 13%                | 2%                             |   | 100%                                       | 01/07/2011   |
| Sudan                 | NPL Sudan, NICD, S. Africa  | 169                      | 6  |            | 28          | 127         | 8                   |                        |   |            |          |            |          |           |            | 1        |          |                             |             |          |             | 14%                | 81%                            | 100%  | 100%                                       | 03/07/2011   |
| South Sudan           | NPL Kenya   | 180                      | 8  |            | 24          | 117         | 7                   | 24                     |   |            |          |            | 3        |           |            | 5        |          |                             |             |          |             | 16%                | 0%                             |   | 95%  | 01/07/2011   |
| Syria                 | NPL Syria, RRL Tunisia  | 92                       | 2  |            | 4           | 82          | 4                   |                        |   |            |          |            |          |           |            | 1        |          |                             |             |          |             | 3%                 | 98%                            | 100%  | 0%   | 03/07/2011   |
| Tunisia               | RRL Tunisia   | 28                       |  |            |             | 27          | 1                   |                        |   |            |          |            |          |           |            |          |          |                             |             |          |             | 0%                 | 100%                           |   | 100%                                       | 01/07/2011   |
| U.A.E                 | NPL Oman  | 13                       |  |            |             | 13          |                     |                        |   |            |          |            |          |           |            |          |          |                             |             |          |             | 0%                 | 100%                           |   | 100%                                       | 03/07/2011   |
| Yemen                 | NPL Oman  | 72                       | 2  |            | 15          | 55          |                     |                        |   | 1          |          |            |          |           | 1          |          |          |                             |             |          |             | 23%                | 100%                           | 100%  | 18%  | 03/07/2011   |
| <b>Total EMR 2011</b> |   | <b>5456</b>              | <b>263</b>                                       | <b>19</b>  | <b>769</b>  | <b>3972</b> | <b>334</b>          | <b>102</b>             | <b>60</b>                                       | <b>85</b>  | <b>1</b> | <b>46</b>  | <b>3</b> | <b>1</b>  | <b>105</b> | <b>2</b> | <b>2</b> | <b>30</b>                   | <b>2</b>    | <b>2</b> | <b>14%</b>  | <b>93%</b>         | <b>99%</b>                     | <b>97%</b>                                      |  |  |
| <b>Total EMR 2010</b> |   | <b>11130</b>             | <b>549</b>                                       | <b>35</b>  | <b>2050</b> | <b>8493</b> |                     |                        | <b>130</b>                                      | <b>205</b> |          | <b>110</b> | <b>6</b> | <b>31</b> | <b>189</b> |          | <b>4</b> | <b>20</b>                   | <b>1</b>    | <b>1</b> | <b>16%</b>  | <b>94%</b>         | <b>98%</b>                     | <b>97%</b>                                      |  |  |

\* Specimens from all sources including non-AFP cases, excluding environmental samples

\*\* This indicator reflects surveillance and laboratory activities

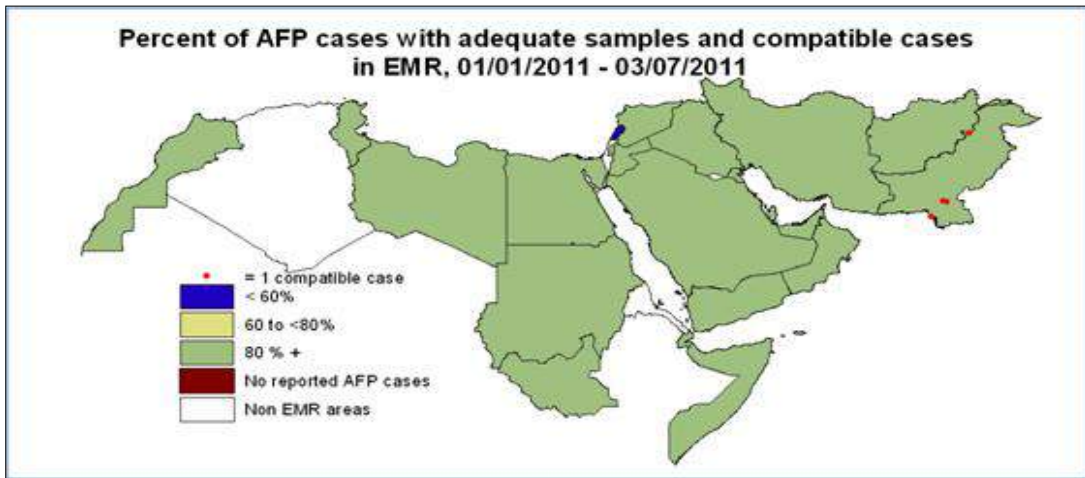
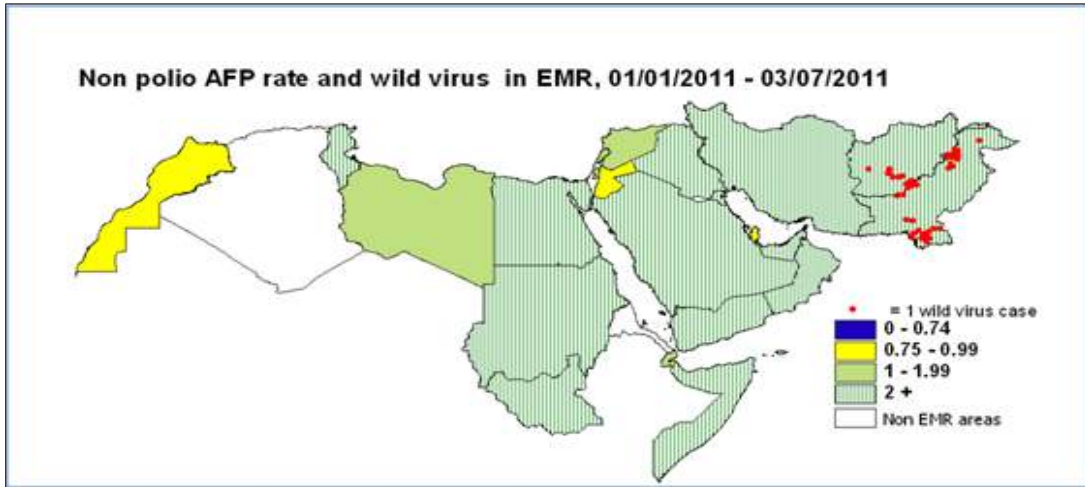
\*\*\* Environmental surveillance initiated in Egypt in September 2000 showed the following:

| Year        | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | Grand Total |
|-------------|------|------|------|------|------|------|------|------|------|------|------|------|-------------|
| Negative    | 52   | 55   | 136  | 299  | 469  | 499  | 492  | 458  | 444  | 481  | 415  | 197  | 3997        |
| Pending     |      |      |      |      |      |      |      |      |      |      |      | 29   | 29          |
| Wild        | 2    | 75   | 26   | 12   | 13   | 2    |      |      | 2    |      | 1    |      | 133         |
| Grand Total | 54   | 130  | 162  | 311  | 482  | 501  | 492  | 458  | 446  | 481  | 416  | 226  | 4159        |

In 2008, out of 446 samples, 2 positive for wild virus in Giza governorate (Al Haram Site) genomic sequence data indicate importation from Ethiopia / South Sudan & Cairo governorate (Al Haggana 2) genomic sequence data indicate nearest importation from India. In 2011, 1 positive sample for wild virus in Aswan governorate (Aswan City) genomic sequence data indicate nearest importation from Sudan.

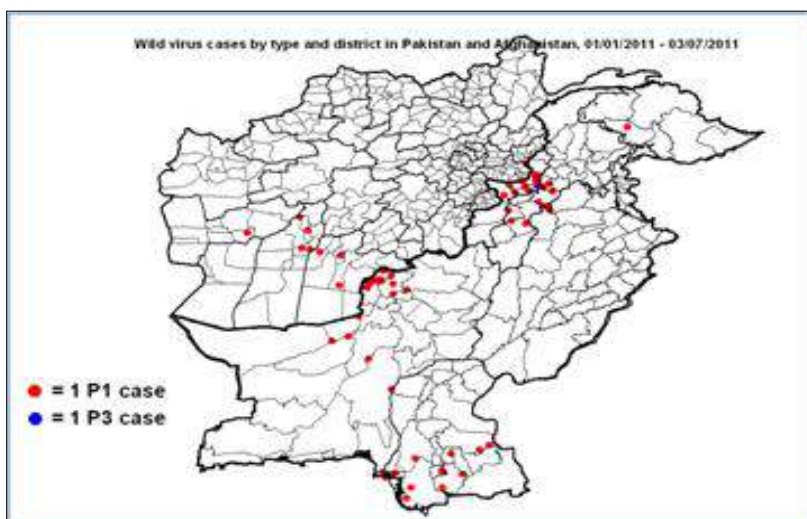
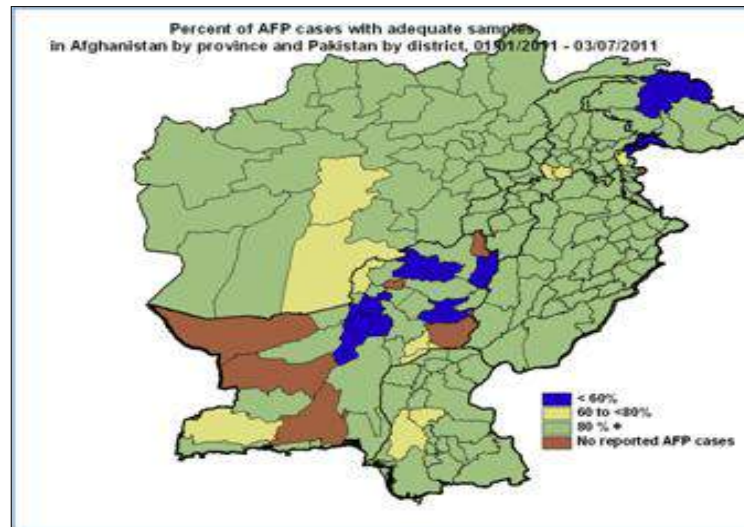
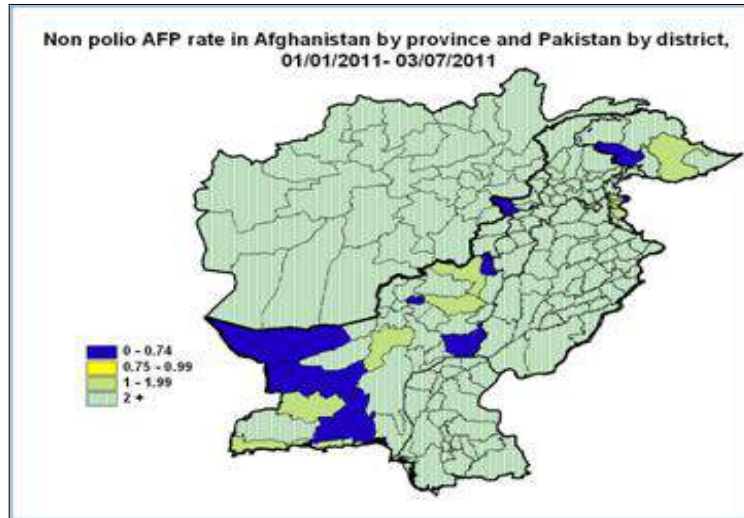
\*\*\*\*Environmental surveillance initiated in Pakistan in August 2009 showed the following:

| Year        | 2009          |               |                        |        | 2009 Total | 2010          |               |                        |        | 2010 Total | 2011          |               |                        |        | 2011 Total |    |   |    |     |  |
|-------------|---------------|---------------|------------------------|--------|------------|---------------|---------------|------------------------|--------|------------|---------------|---------------|------------------------|--------|------------|----|---|----|-----|--|
|             | KHIBALIA TOWN | KHIGADAP TOWN | KHIGULSHANE-OGBAL TOWN | LAHORE |            | KHIBALIA TOWN | KHIGADAP TOWN | KHIGULSHANE-OGBAL TOWN | LAHORE |            | KHIBALIA TOWN | KHIGADAP TOWN | KHIGULSHANE-OGBAL TOWN | LAHORE |            |    |   |    |     |  |
| Negative    | 9             | 3             | 5                      | 10     | 27         | 10            | 11            | 12                     | 27     | 60         | 3             | 5             | 9                      | 14     | 1          | 1  | 2 | 9  | 44  |  |
| Pending     |               |               |                        |        |            |               |               |                        |        |            |               |               |                        |        |            |    |   |    |     |  |
| Wild        | 1             | 8             | 7                      | 2      | 18         | 6             | 20            | 12                     | 6      | 44         | 5             | 9             | 9                      | 2      | 3          | 9  | 4 | 9  | 47  |  |
| Grand Total | 10            | 11            | 12                     | 12     | 45         | 16            | 31            | 24                     | 33     | 104        | 10            | 14            | 18                     | 16     | 4          | 10 | 6 | 12 | 102 |  |



**Wild polio cases by country and date of onset of paralysis in EMR, 2011**

| Year       | COUNTRY | P1    |            |            | P3    |            |            | Total Count | First Case | Last Case  |
|------------|---------|-------|------------|------------|-------|------------|------------|-------------|------------|------------|
|            |         | Count | First Case | Last Case  | Count | First Case | Last Case  |             |            |            |
| 2011       | AFG     | 8     | 11/01/2011 | 06/06/2011 |       |            |            | 8           | 11/01/2011 | 06/06/2011 |
|            | PAK     | 57    | 03/01/2011 | 15/06/2011 | 1     | 09/06/2011 | 09/06/2011 | 58          | 03/01/2011 | 15/06/2011 |
| 2011 Total |         | 65    | 03/01/2011 | 15/06/2011 | 1     | 09/06/2011 | 09/06/2011 | 66          | 03/01/2011 | 15/06/2011 |



\* District RY Khan, Punjab Province, was identified as an infected district by isolating wild type P1 virus from a healthy child with date of stool collection 08/01/2011

\* District Nsirabad, Balochistan Province, was identified as an infected district by isolating wild type P1 virus from a healthy child with date of stool collection 26/01/2011





**Wild Polio cases by district and date of onset of paralysis, Afghanistan 2011**

| PROVINCE    | DISTRICT     | P1    |            |            |
|-------------|--------------|-------|------------|------------|
|             |              | Count | First case | Last case  |
| FARAH       | BAKWA        | 1     | 26/04/2011 | 26/04/2011 |
| KANDAHAR    | KANDAHAR     | 1     | 23/05/2011 | 23/05/2011 |
|             | MAYWAND      | 1     | 25/04/2011 | 25/04/2011 |
|             | DAMAN        | 1     | 11/01/2011 | 11/01/2011 |
| HILMAND     | NAHRI SARRAJ | 2     | 29/05/2011 | 06/06/2011 |
|             | MUSA QALA    | 2     | 08/05/2011 | 09/05/2011 |
| Grand Total |              | 8     | 11/01/2011 | 06/06/2011 |

Kandahar P1 case (AFG/08/11/103) was identified as wild by a positive contact with date of stool collection 30/05/11  
 Maywand P1 case (AFG/08/11/110) was identified as wild by a positive contact with date of stool collection 29/05/11

**Wild Polio cases by district and date of onset of paralysis, Pakistan 2011**

| PROVINCE         | DISTRICT   | P1    |            |            | P3    |            |            |
|------------------|------------|-------|------------|------------|-------|------------|------------|
|                  |            | Count | First case | Last case  | Count | First case | Last case  |
| BALOCHISTAN      | PISHIN     | 5     | 19/02/2011 | 08/06/2011 |       |            |            |
|                  | KABDULAH   | 7     | 02/03/2011 | 06/06/2011 |       |            |            |
|                  | NOSHKI     | 3     | 01/04/2011 | 28/04/2011 |       |            |            |
|                  | KHUZDAR    | 2     | 03/05/2011 | 10/06/2011 |       |            |            |
| SINDH            | THATTA     | 2     | 10/04/2011 | 10/06/2011 |       |            |            |
|                  | BADIN      | 2     | 22/02/2011 | 15/03/2011 |       |            |            |
|                  | JAMSHORO   | 1     | 29/05/2011 | 29/05/2011 |       |            |            |
|                  | TMKHAN     | 2     | 18/02/2011 | 04/03/2011 |       |            |            |
|                  | T.ALLAHYAR | 1     | 21/01/2011 | 21/01/2011 |       |            |            |
|                  | SANGHAR    | 2     | 20/01/2011 | 19/04/2011 |       |            |            |
|                  | KHIGADAP   | 1     | 05/04/2011 | 05/04/2011 |       |            |            |
|                  | KHIORANGI  | 1     | 29/03/2011 | 29/03/2011 |       |            |            |
|                  | KHISADDAR  | 1     | 05/04/2011 | 05/04/2011 |       |            |            |
|                  | KHISITE    | 1     | 07/05/2011 | 07/05/2011 |       |            |            |
| GILGIT BALTISTAN | DIAMIR     | 1     | 18/05/2011 | 18/05/2011 |       |            |            |
| KHYBER PAKHTOON  | PESHAWAR   | 3     | 16/01/2011 | 13/05/2011 |       |            |            |
|                  | KOHAT      | 3     | 28/01/2011 | 20/04/2011 |       |            |            |
|                  | BANNU      | 1     | 21/05/2011 | 21/05/2011 |       |            |            |
|                  | LAKKIMRWT  | 2     | 09/03/2011 | 13/03/2011 |       |            |            |
|                  | TORGHAR    | 2     | 06/04/2011 | 22/05/2011 |       |            |            |
| FATA             | KHYBER     | 8     | 15/01/2011 | 02/05/2011 | 1     | 09/06/2011 | 09/06/2011 |
|                  | MOHMAND    | 3     | 03/01/2011 | 18/04/2011 |       |            |            |
|                  | KURRAM     | 1     | 06/03/2011 | 06/03/2011 |       |            |            |
|                  | ORAKZAI    | 2     | 06/05/2011 | 15/06/2011 |       |            |            |
| Grand Total      |            | 57    | 03/01/2011 | 15/06/2011 | 1     | 09/06/2011 | 09/06/2011 |

Sanghar P1 case (SD/32/11/005) was identified as wild by a positive contact with date of stool collection 26/01/2011  
 Peshawar P1 case (NW/30/11/025) was identified as wild by a positive contact with date of stool collection 10/03/2011  
 Mansehra P1 case (NW/14/11/014) was identified as wild by a positive contact with date of stool collection 21/04/2011