

## Highlights



Children Paralyzed by polio

### 2023

- 12 cases of Wild Polio 1
  - 06 in Afghanistan
  - 06 in Pakistan

- 16 cases of cVDPV2
  - 08 in Somalia
  - 08 in Yemen

- Zero cVDPV1 cases

### 2024

- 4 cases of Wild Polio 1
  - 02 in Afghanistan
  - 02 in Pakistan

- 7 cases of cVDPV2
  - 02 in Somalia
  - 05 in Yemen

- Zero cVDPV1 cases



Sewage water sampling

### 2023

- 188 samples Wild Polio 1
  - 62 in Afghanistan
  - 126 in Pakistan

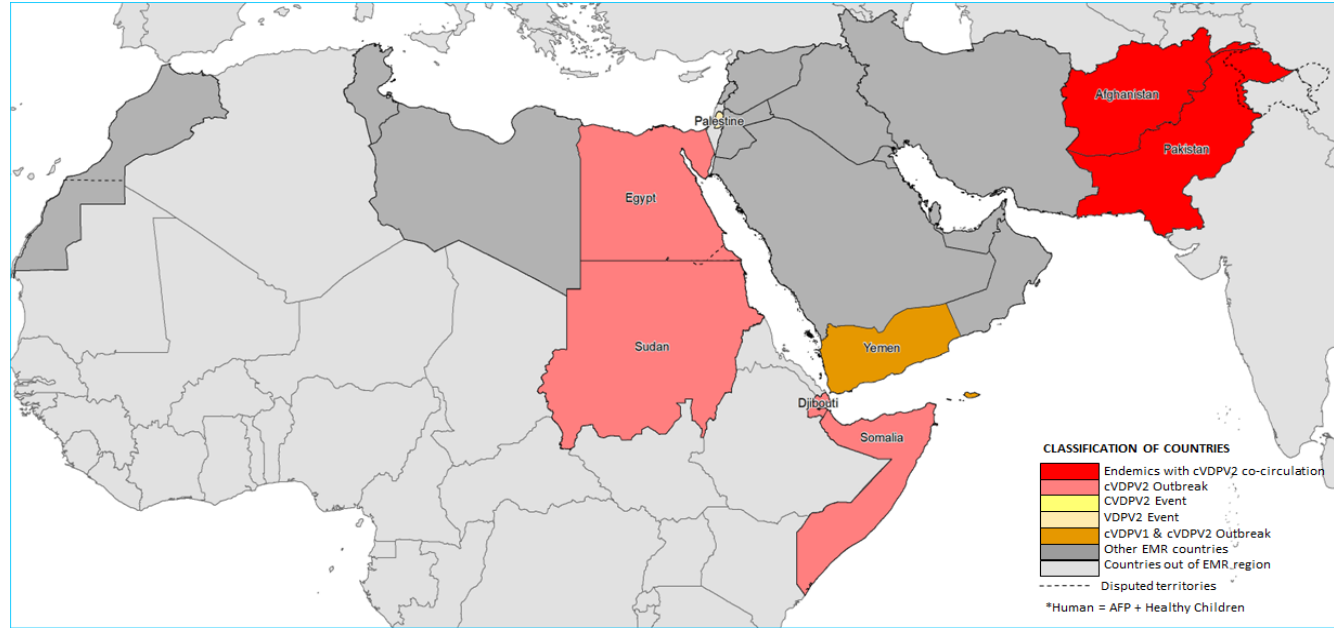
- 41 samples cVDPV2
  - 11 in Egypt
  - 16 in Yemen
  - 09 in Somalia
  - 05 in Sudan

### 2024

- 124 samples Wild Polio 1
  - 27 in Afghanistan
  - 97 in Pakistan

- 4 sample cVDPV2
  - 1 in Sudan
  - 1 in Egypt
  - 2 in Yemen

## Classification of EMR countries by type of poliovirus circulation



## Highlights of the week

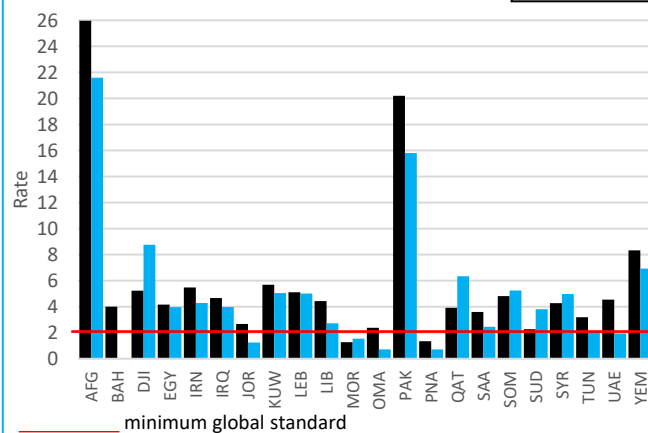
### Wild Poliovirus

- No new WPV1 cases reported this week. The WPV1 case count in 2024 to date is 4 (2 each from Afghanistan and Pakistan), and for 2023, the count remains to be 12 (6 each from Afghanistan and Pakistan).
- Two new WPV1 positive environmental samples (ES) in 2024 reported this week from Afghanistan. The new positive samples were reported as follows: one from Kandahar district of Kandahar province and the other from Herat district of Herat province (Herat district) with collection dates on 21<sup>st</sup> February and 25<sup>th</sup> March 2024, respectively. ES count to date is 124 (27 from Afghanistan and 97 from Pakistan). In 2023, the count remains to be 188 (62 in Afghanistan and 126 in Pakistan).

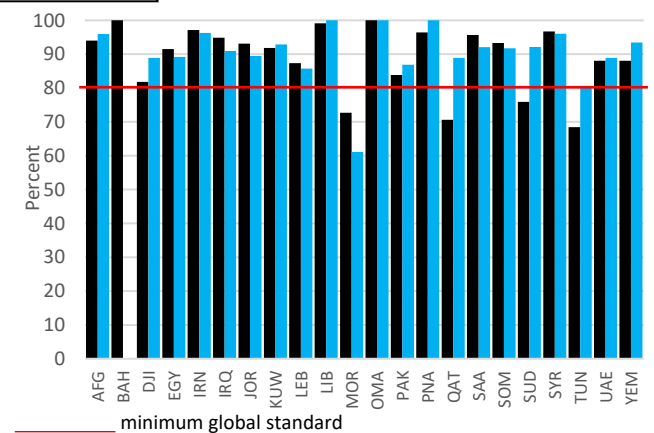
### Vaccine derived poliovirus (VDPV)

- Three new cVDPV2 cases reported this week from Yemen. The newly reported cases are two from Al Hudaidah province (one each from Al Ganawis and Al Zeidyah districts) and one from Sanaa City (Bani El Harith district), with dates of onset between 3<sup>rd</sup> and 14<sup>th</sup> of February 2024. The total count of cVDPV2 cases to date in 2024 is 7 (5 from Yemen and 2 from Somalia) and in 2023 the count remains to be 16 (8 each from Somalia and Yemen).
- No new cVDPV2 positive environmental samples (ES) reported this week. The count of the cVDPV2 positive ES in 2024 to date is 4 (2 from Yemen and 1 each from Egypt and Sudan) and in 2023 the count remains to be 41 (16 from Yemen, 11 from Egypt, 9 from Somalia, and 5 from Sudan).

### Non polio AFP rate



### Stool adequacy

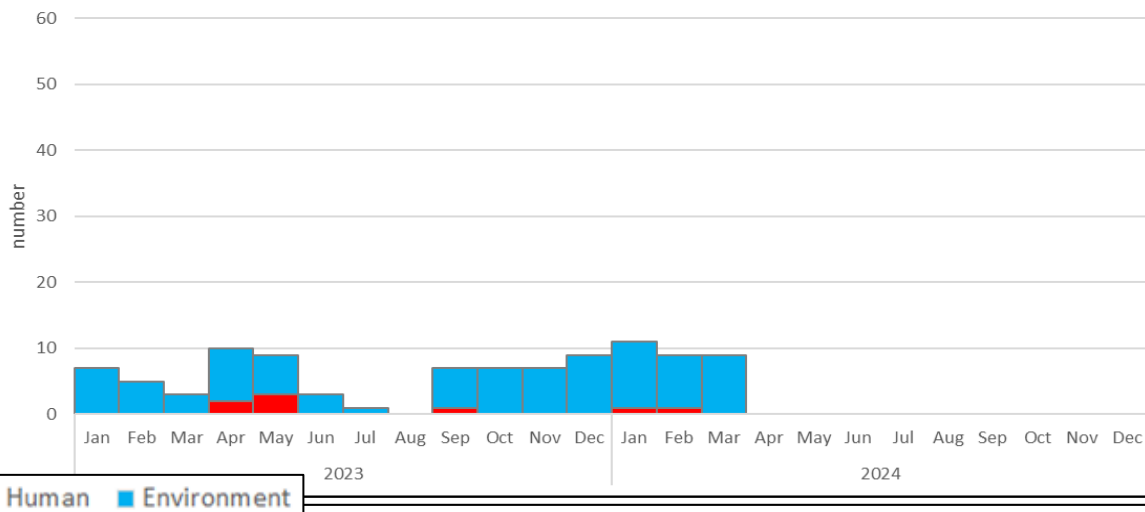


Wild Poliovirus type-1 (WPV1) Vaccine-derived Poliovirus (VDPV)

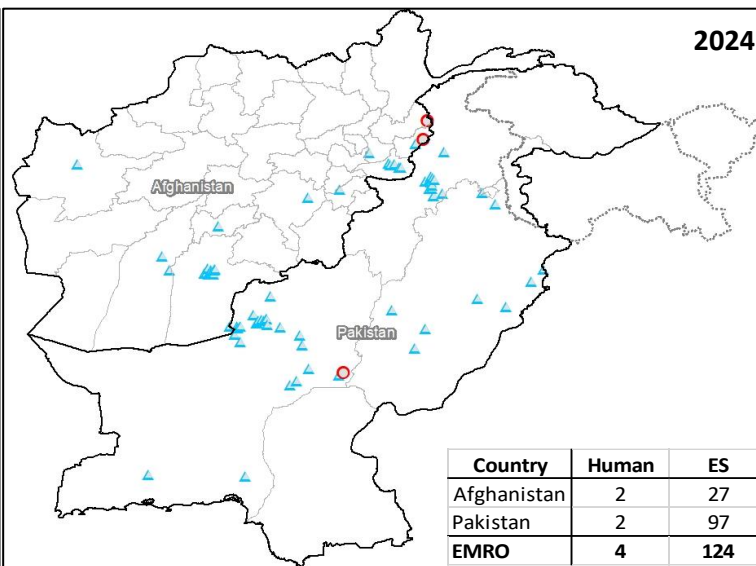
# WPV1 Positive isolates from Afghanistan and Pakistan by source

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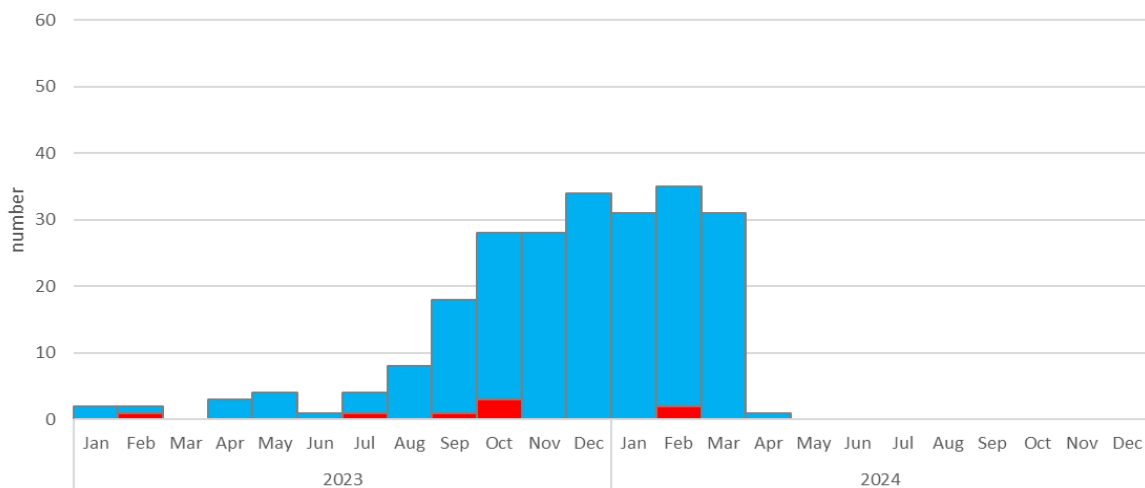
## Afghanistan



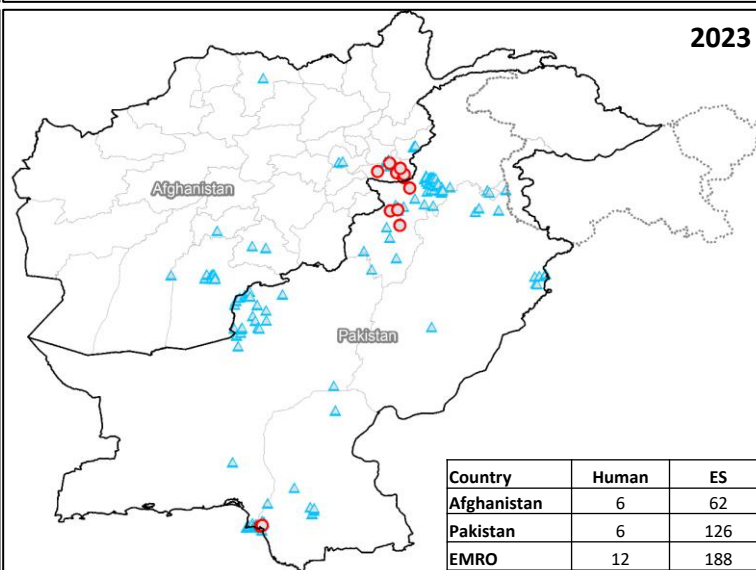
2024



## Pakistan



2023



## Virus isolation by country, last 12 months (28 Apr. 2023, to 28 Apr. 2024)

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| Source / Virus type     | AFG       | PAK        | EGY       | SOM       | SUD      | YEM       | Total      |
|-------------------------|-----------|------------|-----------|-----------|----------|-----------|------------|
| <b>Human (AFP only)</b> | <b>6</b>  | <b>7</b>   | <b>1</b>  | <b>8</b>  |          | <b>13</b> | <b>35</b>  |
| Wild                    | 6         | 7          |           |           |          |           | 13         |
| cVDPV2                  |           |            |           | 8         |          | 12        | 20         |
| aVDPV2                  |           |            |           |           |          | 1         | 1          |
| VDPV2                   |           |            | 1         |           |          |           | 1          |
| <b>Environment</b>      | <b>66</b> | <b>217</b> | <b>12</b> | <b>9</b>  | <b>7</b> | <b>16</b> | <b>327</b> |
| Wild                    | 66        | 216        |           |           |          |           | 282        |
| cVDPV2                  |           |            | 12        | 9         | 6        | 15        | 42         |
| aVDPV2                  |           |            |           |           |          |           |            |
| VDPV2                   |           |            |           |           | 1        | 1         | 2          |
| WILD+VDPV1              |           | 1          |           |           |          |           | 1          |
| <b>Total</b>            | <b>72</b> | <b>224</b> | <b>13</b> | <b>17</b> | <b>7</b> | <b>29</b> | <b>362</b> |

Note: Viruses isolated from 'other' sources (example healthy children) are not included in this analysis; they are shown in page No. (8)

# Confirmed Wild Polio 1 Cases by month of onset

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| Country        | Total year 2022 | Total year 2023 | 28 April |          | Confirmed Wild Polio 1 Cases by month of onset |          |          |          |          |          |          |          |          |          |          |          | Recent most Case |
|----------------|-----------------|-----------------|----------|----------|--|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------------------|
|                |                 |                 | 2023     | 2024     | 2023   |          |          |          |          |          |          |          | 2024     |          |          |          |                  |
|                |                 |                 |          |          | May  | Jun      | Jul      | Aug      | Sep      | Oct      | Nov      | Dec      | Jan      | Feb      | Mar      | Apr      |                  |
| Afghanistan    | 2               | 6               | 2        | 2        | 3  | 0        | 0        | 0        | 0        | 1        | 0        | 0        | 0        | 1        | 1        |          | 20-Feb-24        |
| Bahrain        | 0               | 0               | 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        | 0        |          | 0        |          |          |                  |
| Iran           | 0               | 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        | 0        |          |          |                  |
| Jordan ****    | 0               | 0               | 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        | 0        |          |                  |
| Lebanon ****   | 0               | 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        | 0        | 0        | 0        |          |          |                  |
| Morocco        | 0               | 0               | 0        | 0        |  | 0        | 0        | 0        |          | 0        |          | 0        |          |          |          |          |                  |
| Oman           | 0               | 0               | 0        | 0        | 0  | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        |          |                  |
| Pakistan       | 20              | 6               | 1        | 2        | 0  | 0        | 1        | 0        | 1        | 3        | 0        | 0        | 0        | 2        |          |          | 29-Feb-24        |
| 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        |          |          |                  |
| Saudi Arabia   | 0               | 0               | 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          | 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        |          |          |          |                  |
| Yemen          | 0               | 0               | 0        | 0        | 0  | 0        | 0        | 0        | 0        | 0        | 0        |          |          |          |          |          |                  |
| <b>EMR</b>     | <b>22</b>       | <b>12</b>       | <b>3</b> | <b>4</b> | <b>3</b>                                       | <b>0</b> | <b>1</b> | <b>0</b> | <b>2</b> | <b>3</b> | <b>0</b> | <b>0</b> | <b>1</b> | <b>3</b> | <b>0</b> | <b>0</b> | <b>29-Feb-24</b> |

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

# Investigation of AFP cases with paralysis onset in 2023 & 2024

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| COUNTRY      | 2024      |                                  |                  |                           |      |   |   |                               |                           | 2023      |                                  |                  |                           |      |   |   |                               |                           | Line List      |
|--------------|-----------|----------------------------------|------------------|---------------------------|------|---|---|-------------------------------|---------------------------|-----------|----------------------------------|------------------|---------------------------|------|---|---|-------------------------------|---------------------------|----------------|
|              | AFP cases | Case classification              |                  |                           |      |   |   | Surveillance indicators       |                           | AFP cases | Case classification              |                  |                           |      |   |   | Surveillance indicators       |                           | Date of latest |
|              |           | Total Confirmed WPV1 Polio Cases | Polio Compatible | Discarded (non Polio AFP) | VDPV | Pending classification > 90 days from onset | Pending LAB classification > 90 days from onset | Annualized Non polio AFP rate | % with adequate specimens |           | Total Confirmed WPV1 Polio Cases | Polio Compatible | Discarded (non polio AFP) | VDPV | Pending classification > 90 days from onset | Pending LAB classification > 90 days from onset | Annualized Non polio AFP rate | % with adequate specimens |                |
| AFGHANISTAN  | 1587      | 2                                | 0                | 1250                      | 0    | 5   | 0   | 21.60                         | 95.97                     | 5855      | 6                                | 0                | 5849                      | 0    | 0   | 0   | 25.97                         | 94.01                     | 28-Apr-24      |
| BAHRAIN      | 0         | 0                                | 0                | 0                         | 0    | 0   | 0   | 0.00                          |                           | 12        | 0                                | 0                | 12                        | 0    | 0   | 0   | 4.01                          | 100.00                    | 28-Apr-24      |
| DJIBOUTI     | 9         | 0                                | 0                | 3                         | 0    | 0   | 0   | 8.75                          | 88.89                     | 22        | 0                                | 0                | 22                        | 0    | 0   | 0   | 5.23                          | 81.82                     | 27-Apr-24      |
| EGYPT        | 546       | 0                                | 0                | 388                       | 0    | 3   | 0   | 3.97                          | 89.19                     | 1714      | 0                                | 0                | 1713                      | 1    | 1   | 0   | 4.16                          | 91.48                     | 27-Apr-24      |
| IRAN         | 294       | 0                                | 0                | 268                       | 0    | 0   | 0   | 4.28                          | 96.26                     | 1150      | 0                                | 0                | 1150                      | 0    | 0   | 0   | 5.48                          | 97.13                     | 27-Apr-24      |
| IRAQ         | 232       | 0                                | 0                | 178                       | 0    | 8   | 0   | 3.98                          | 90.95                     | 820       | 0                                | 0                | 820                       | 0    | 0   | 0   | 4.66                          | 94.88                     | 25-Apr-24      |
| JORDAN       | 19        | 0                                | 0                | 14                        | 0    | 0   | 0   | 1.25                          | 89.47                     | 116       | 0                                | 0                | 116                       | 0    | 0   | 0   | 2.68                          | 93.10                     | 25-Apr-24      |
| KUWAIT       | 14        | 0                                | 0                | 13                        | 0    | 0   | 0   | 5.05                          | 92.86                     | 49        | 0                                | 0                | 49                        | 0    | 0   | 0   | 5.69                          | 91.84                     | 28-Apr-24      |
| LEBANON      | 28        | 0                                | 0                | 17                        | 0    | 0   | 0   | 5.01                          | 85.71                     | 79        | 0                                | 0                | 79                        | 0    | 0   | 0   | 5.11                          | 87.34                     | 28-Apr-24      |
| LIBYA        | 23        | 0                                | 0                | 13                        | 0    | 0   | 0   | 2.72                          | 100.00                    | 115       | 0                                | 0                | 115                       | 0    | 0   | 0   | 4.43                          | 99.13                     | 27-Apr-24      |
| MOROCCO      | 54        | 0                                | 0                | 0                         | 0    | 15  | 1   | 1.54                          | 61.11                     | 150       | 0                                | 0                | 150                       | 0    | 0   | 0   | 1.28                          | 72.67                     | 8-Apr-24       |
| OMAN         | 3         | 0                                | 0                | 3                         | 0    | 0   | 0   | 0.72                          | 100.00                    | 30        | 0                                | 0                | 30                        | 0    | 0   | 0   | 2.38                          | 100.00                    | 24-Apr-24      |
| PAKISTAN     | 5037      | 2                                | 0                | 3813                      | 0    | 110   | 0   | 15.80                         | 86.86                     | 19758     | 6                                | 0                | 19723                     | 0    | 29  | 0   | 20.20                         | 83.83                     | 28-Apr-24      |
| PALESTINE    | 5         | 0                                | 0                | 1                         | 0    | 0   | 0   | 0.72                          | 100.00                    | 28        | 0                                | 0                | 26                        | 0    | 2   | 1   | 1.35                          | 96.43                     | 31-Mar-24      |
| QATAR        | 9         | 0                                | 0                | 0                         | 0    | 1   | 0   | 6.34                          | 88.89                     | 17        | 0                                | 0                | 17                        | 0    | 0   | 0   | 3.91                          | 70.59                     | 21-Apr-24      |
| SAUDI ARABIA | 63        | 0                                | 0                | 21                        | 0    | 0   | 0   | 2.45                          | 92.06                     | 301       | 0                                | 0                | 301                       | 0    | 0   | 0   | 3.60                          | 95.68                     | 28-Apr-24      |
| SOMALIA      | 157       | 0                                | 0                | 135                       | 2    | 0   | 0   | 5.24                          | 91.72                     | 433       | 0                                | 0                | 425                       | 8    | 0   | 0   | 4.81                          | 93.30                     | 28-Apr-24      |
| SUDAN        | 114       | 0                                | 0                | 11                        | 0    | 24  | 2   | 3.81                          | 92.11                     | 473       | 0                                | 0                | 452                       | 0    | 21  | 1   | 2.28                          | 75.90                     | 28-Apr-24      |
| SYRIA        | 126       | 0                                | 0                | 110                       | 0    | 0   | 0   | 4.97                          | 96.03                     | 332       | 0                                | 0                | 332                       | 0    | 0   | 0   | 4.27                          | 96.69                     | 27-Apr-24      |
| TUNISIA      | 20        | 0                                | 0                | 9                         | 0    | 0   | 0   | 2.09                          | 80.00                     | 95        | 0                                | 0                | 95                        | 0    | 0   | 0   | 3.20                          | 68.42                     | 26-Apr-24      |
| U.A.E.       | 9         | 0                                | 0                | 0                         | 0    | 0   | 0   | 1.93                          | 88.89                     | 67        | 0                                | 0                | 67                        | 0    | 0   | 0   | 4.54                          | 88.06                     | 24-Apr-24      |
| YEMEN        | 366       | 0                                | 0                | 121                       | 5    | 6   | 2   | 6.93                          | 93.44                     | 1331      | 0                                | 0                | 1319                      | 9    | 3   | 1   | 8.33                          | 88.05                     | 27-Apr-24      |
| EMR POL      | 8715      | 4                                | 0                | 6368                      | 7    | 172   | 5   | 9.51                          | 89.58                     | 32947     | 12                               | 0                | 32862                     | 18   | 56  | 3   | 11.30                         | 87.24                     |                |

\* 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, with 14 days of paralysis onset and specimens received in the lab in 'Good Condition'

\*\*\*\* Includes all VDPV cases. Further details available in page (8)

# Laboratory investigation of AFP cases with paralysis onset in 2024

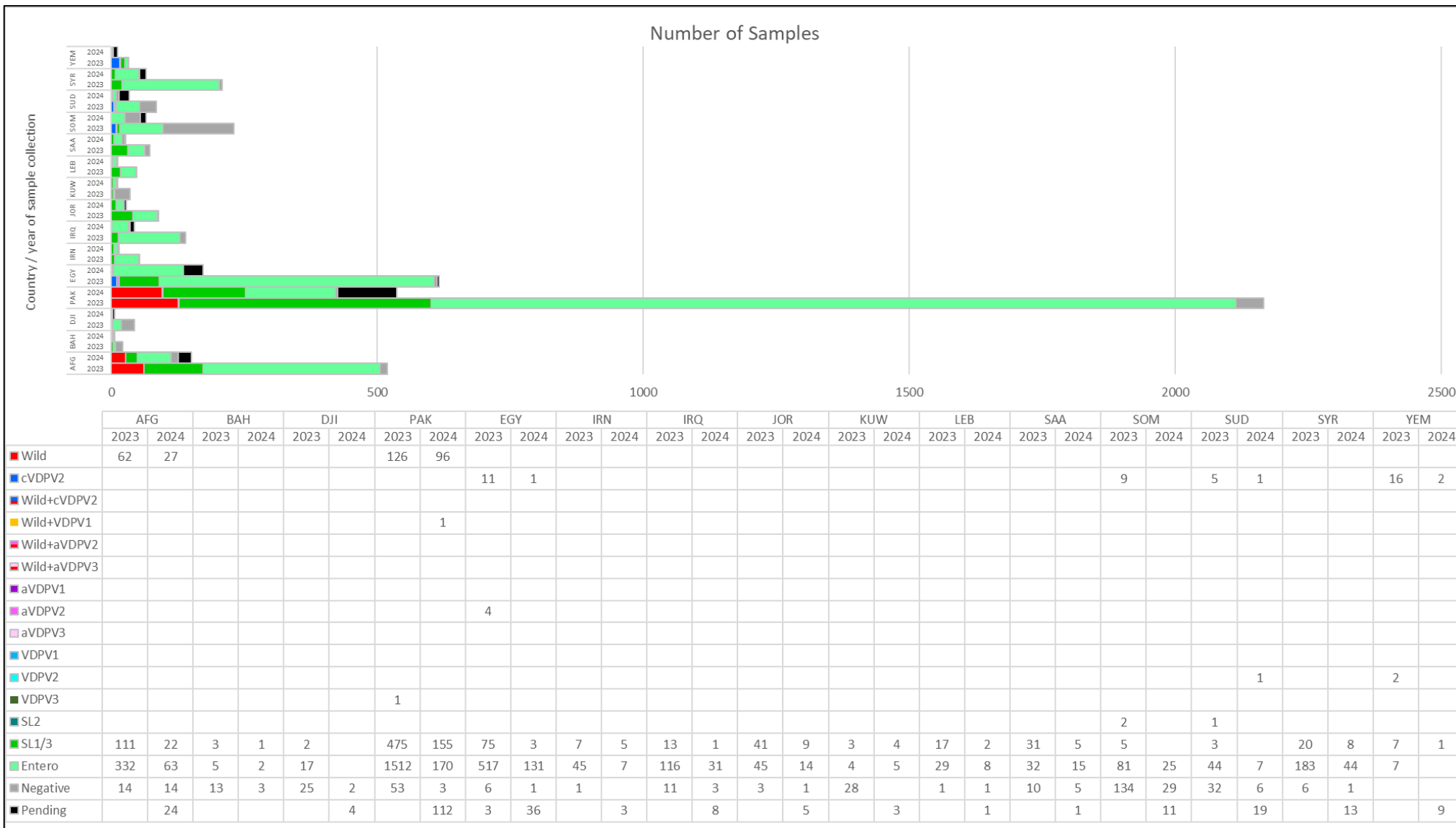
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| Country               | Polio laboratories                                |  | Preliminary virus isolation results of AFP cases |              |           |             |                              |                                | Poliovirus intratypic differentiation results |            |            |        |       |      |          |           |            |                             | Indicators  |           |             |                                | Latest report Date |   |  |  |
|-----------------------|---|--|--|--------------|-----------|-------------|------------------------------|--------------------------------|---|------------|------------|--------|-------|------|----------|-----------|------------|-----------------------------|-------------|-----------|-------------|--------------------------------|--------------------|---|--|--|
|                       | ITD / Nucleotide Sequencing                       |  | 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** |
|                       | Sequencing performed by CDC and RIVM laboratories |  | L20B+  | L20B+ / NPEV |           |             | received within last 14 days | received more than 14 days ago | Wild  | Sabin      | VDPV       | Wild   | Sabin | VDPV | Wild     | Sabin     | VDPV       |                             |             |           |             |                                |                    |   |  |  |
| Afghanistan           | RRL Pakistan                                      |  | 1578   | 73           | 10        | 131         | 1064                         | 146                            | 132   | 2          | 37         |        |       |      |          | 52        |            |                             |             |           | 11          | 8%                             | 89%                | 100%  | 66%  | 28-Apr-24  |
| Bahrain               | NPL Oman / CDC                                    |  |  |              |           |             |                              |                                |   |            |            |        |       |      |          |           |            |                             |             |           |             |                                |                    |   | 25-Apr-24                                  |  |
| Djibouti              | NPL Kenya / CDC                                   |  | 9  |              |           |             | 3                            | 1                              | 5   |            |            |        |       |      |          |           |            |                             |             |           |             | 0%                             | 33%                |   | 100%                                       | 27-Apr-24  |
| Egypt                 | RRL Egypt   |  | 521  | 5            |           | 19          | 434                          | 34                             | 29  |            | 1          |        |       |      |          | 3         |            |                             |             |           |             | 4%                             | 98%                | 100%  | 100%                                       | 25-Apr-24  |
| Iran                  | NPL Iran / CDC                                    |  | 330  | 2            |           | 3           | 294                          | 31                             |   |            | 1          |        |       |      |          | 2         |            |                             |             |           |             | 1%                             | 100%               | 100%  | 99%  | 27-Apr-24  |
| Iraq                  | NPL Iraq, RRL Egypt                               |  | 244  | 9            |           | 31          | 175                          | 25                             | 4   |            | 3          |        |       |      |          | 7         |            |                             |             |           |             | 13%                            | 100%               | 100%  | 99%  | 26-Apr-24  |
| Jordan                | NPL Jordan, RRL Egypt                             |  | 19   |              |           | 4           | 12                           | 3                              |   |            |            |        |       |      |          |           |            |                             |             |           |             | 25%                            | 81%                |   | 94%  | 25-Apr-24  |
| Kuwait                | RRL Kuwait / RIVM                                 |  | 14   | 1            |           | 1           | 11                           | 1                              |   |            |            |        |       |      |          |           |            |                             |             | 1         |             | 4%                             | 85%                |   | 100%                                       | 25-Apr-24  |
| Lebanon               | NPL Syria, RRL Egypt                              |  | 19   |              |           |             | 18                           | 1                              |   |            |            |        |       |      |          |           |            |                             |             |           |             | 0%                             | 100%               |   |  | 25-Apr-24  |
| Libya                 | RRL Tunisia / RIVM                                |  | 13   |              |           |             | 13                           |                                |   |            |            |        |       |      |          |           |            |                             |             |           |             | 0%                             | 100%               |   | 38%  | 28-Apr-24  |
| Morocco               | NPL Morocco, RRL Tunisia                          |  | 50   |              |           |             | 44                           | 6                              |   |            |            |        |       |      |          |           |            |                             |             |           |             | 0%                             | 100%               |   | 98%  | 26-Apr-24  |
| Oman                  | NPL Oman / CDC                                    |  | 3  |              |           |             | 3                            |                                |   |            |            |        |       |      |          |           |            |                             |             |           |             | 4%                             | 100%               |   | 100%                                       | 25-Apr-24  |
| Pakistan              | RRL Pakistan                                      |  | 4954   | 276          | 9         | 423         | 3463                         | 600                            | 167   | 2          | 163        |        |       |      |          | 192       |            | 1                           |             |           |             | 7%                             | 89%                | 100%  | 97%  | 28-Apr-24  |
| Palestine & UNRWA     |   |  | 5  |              |           |             | 5                            |                                |   |            |            |        |       |      |          |           |            |                             |             |           |             | 0%                             | 20%                |   | 100%                                       | 31-Mar-24  |
| Qatar                 | NPL Oman / CDC                                    |  | 8  | 1            |           |             | 4                            | 3                              |   |            |            |        |       |      |          | 1         |            |                             |             |           |             | 0%                             | 100%               | 1   | 100%                                       | 25-Apr-24  |
| Saudi Arabia          | NPL Saudi Arabia / CDC                            |  | 53   | 3            |           | 5           | 42                           |                                | 3   |            | 1          |        |       |      |          | 1         |            |                             | 1           |           |             | 9%                             | 86%                | 67%   | 100%                                       | 16-Apr-24  |
| Somalia               | NPL Kenya / CDC                                   |  | 157  | 5            |           | 14          | 118                          | 8                              | 12  |            | 2          |        |       |      |          | 3         |            |                             |             |           |             | 10%                            | 3%                 |   | 91%  | 28-Apr-24  |
| Sudan                 | NPL Sudan / RRL Egypt                             |  | 53   |              |           | 5           | 48                           |                                |   |            |            |        |       |      |          |           |            |                             |             |           |             | 8%                             | 100%               |   | 36%  | 14-Apr-23  |
| Syria                 | NPL Syria / RRL Egypt                             |  | 125  | 1            |           | 3           | 106                          | 15                             |   |            |            |        |       |      |          |           |            |                             |             |           |             | 3%                             | 100%               |   |  | 25-Apr-24  |
| Tunisia               | RRL Tunisia                                       |  | 25   |              |           |             | 17                           | 8                              |   |            |            |        |       |      |          |           |            |                             |             |           |             | 0%                             | 100%               |   | 100%                                       | 28-Apr-24  |
| U.A.E                 | NPL Oman / CDC                                    |  |  |              |           |             |                              |                                |   |            |            |        |       |      |          |           |            |                             |             |           |             | 0%                             |                    |   |  | 25-Apr-24  |
| Yemen                 | NPLs Oman, Jordan & Kenya, RRL Egypt              |  | 240  | 10           |           | 27          | 109                          | 45                             | 51  |            | 2          |        |       |      |          | 5         |            | 1                           | 1           |           | 1           | 19%                            | 48%                | 100%  | 20%  | 27-Apr-24  |
| <b>Total EMR 2024</b> |   |  | <b>8420</b>                                      | <b>386</b>   | <b>19</b> | <b>666</b>  | <b>5983</b>                  | <b>927</b>                     | <b>403</b>                                    | <b>4</b>   | <b>210</b> |        |       |      | <b>8</b> |           | <b>260</b> | <b>2</b>                    | <b>1</b>    | <b>13</b> | <b>7%</b>   | <b>88%</b>                     | <b>100%</b>        | <b>90%</b>                                      |  |  |
| <b>Total EMR 2023</b> |   |  | <b>32172</b>                                     | <b>1012</b>  | <b>81</b> | <b>4527</b> | <b>26507</b>                 | <b>1</b>                       | <b>37</b>                                     | <b>12*</b> | <b>656</b> |        |       |      | <b>8</b> | <b>22</b> | <b>766</b> | <b>4</b>                    | <b>3</b>    | <b>1</b>  | <b>12%</b>  | <b>90%</b>                     | <b>100%</b>        | <b>93%</b>                                      |  |  |

\* Two WPV1 cases are confirmed due to positive contacts (Index cases were negative for WPV1)

# Environmental Surveillance Isolation by Classification

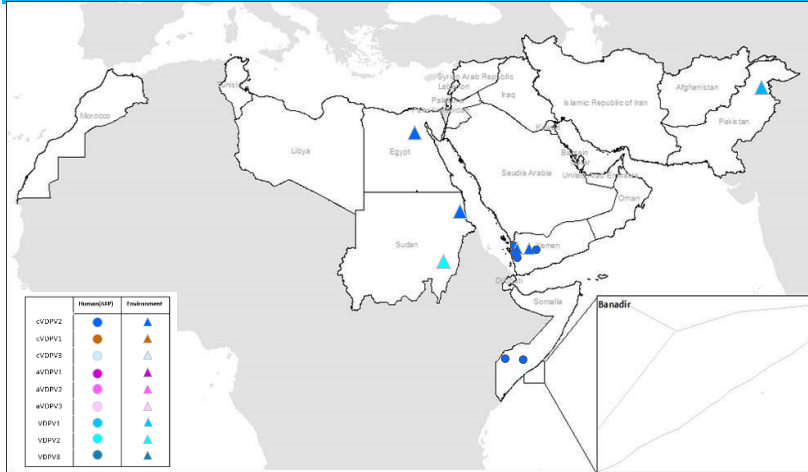
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# VDPVs isolations by Source and Country

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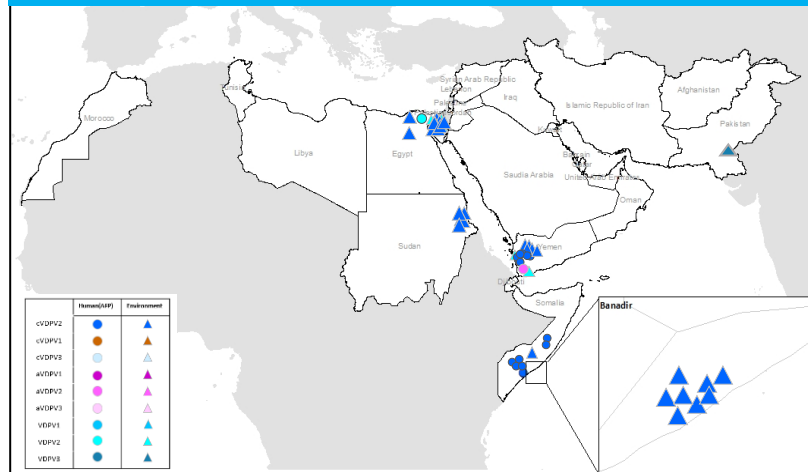
## VDPV Isolates, EMR countries, 2024



## VDPVs isolated from 2019-2024

| Isolate type | EMR Country | Sources          |      |      |      |          |          |                 |      |      |      |          |          |             |             |      |      |      |                                  |      |      |             |      |      |      |          |          |             |          |
|--------------|-------------|------------------|------|------|------|----------|----------|-----------------|------|------|------|----------|----------|-------------|-------------|------|------|------|----------------------------------|------|------|-------------|------|------|------|----------|----------|-------------|----------|
|              |             | AFP cases(Human) |      |      |      |          |          | Contacts(Human) |      |      |      |          |          | Environment |             |      |      |      | Other Sources (Healthy Children) |      |      |             |      |      |      |          |          |             |          |
|              |             | 2019             | 2020 | 2021 | 2022 | 2023     | 2024     | Most recent     | 2019 | 2020 | 2021 | 2022     | 2023     | 2024        | Most recent | 2019 | 2020 | 2021 | 2022                             | 2023 | 2024 | Most recent | 2019 | 2020 | 2021 | 2022     | 2023     | Most recent |          |
| cVDPV2       | Afghanistan | 307              | 43   |      |      |          |          | 09-07-21        |      |      |      |          |          |             |             |      |      | 174  | 40                               |      |      |             |      |      |      |          |          |             | 23-06-21 |
|              | Djibouti    |                  |      |      |      |          |          |                 |      |      |      |          |          |             |             |      |      | 5    | 12                               |      |      |             |      |      |      |          |          |             | 22-05-22 |
|              | Egypt       |                  |      |      |      |          |          |                 |      |      |      |          |          |             |             |      |      | 12   | 6                                | 11   | 1    |             |      |      |      |          |          |             | 31-01-24 |
|              | Iran        |                  |      |      |      |          |          |                 |      |      |      |          |          |             |             |      |      | 3    | 1                                |      |      |             |      |      |      |          |          |             | 20-02-21 |
|              | Pakistan    | 22               | 135  | 8    |      |          |          | 23-04-21        |      |      |      |          |          |             |             |      |      | 38   | 135                              | 35   |      |             |      |      |      |          |          |             | 11-08-21 |
|              | Somalia     | 3                | 14   | 1    | 5    | 8        | 2        | 08-03-24        | 1    | 11   |      | 6        | 3        | 3           | 12-03-24    | 5    | 26   | 1    | 6                                | 9    |      |             | 1    | 5    |      | 1        |          | 26-10-23    |          |
|              | Sudan       |                  | 58   |      | 1    |          |          | 31-10-22        | 18   |      |      |          |          |             | 08-10-20    |      | 14   |      | 1                                | 5    | 1    |             |      | 4    |      |          |          | 11-01-24    |          |
| Yemen        |             |                  | 66   | 162  | 8    | 5        | 14-02-24 |                 |      | 23   | 40   | 1        |          | 11-06-23    |             | 13   | 26   | 16   | 2                                |      |      |             |      |      |      |          | 22-01-24 |             |          |
| cVDPV1       | Yemen       | 1                | 31   | 3    |      |          |          | 27-03-21        | 2    |      |      |          |          |             | 10-07-19    |      |      |      |                                  |      |      |             |      |      |      |          |          |             |          |
| cVDPV3       | Somalia     |                  |      |      |      |          | 07-09-18 |                 |      |      |      |          |          | 30-06-18    |             |      |      |      |                                  |      |      |             |      |      |      |          | 23-08-18 |             |          |
| aVDPV1       | Afghanistan |                  |      | 1    |      |          | 22-02-21 |                 |      |      |      |          |          |             |             |      |      |      |                                  |      |      |             |      |      |      |          |          |             |          |
|              | Egypt       |                  |      |      |      |          |          |                 |      |      |      |          |          |             |             | 1    |      |      |                                  |      |      |             |      |      |      |          | 16-07-20 |             |          |
|              | Pakistan    |                  |      |      |      |          |          |                 |      |      |      |          |          |             |             |      | 1    |      |                                  |      |      |             |      |      |      |          | 10-02-21 |             |          |
|              | Somalia     |                  |      | 1    |      |          | 26-01-20 |                 |      |      |      |          |          |             |             |      |      |      |                                  |      |      |             |      |      |      |          |          |             |          |
| Yemen        |             |                  | 1    |      |      | 20-07-21 |          |                 |      |      |      |          |          |             |             |      |      |      |                                  |      |      |             |      |      |      |          |          |             |          |
| aVDPV2       | Afghanistan | 3                | 1    | 1    |      |          | 01-01-22 | 75              | 15   | 1    |      |          | 14-02-22 | 2           | 3           |      |      |      |                                  |      |      |             |      |      |      | 25-07-21 |          |             |          |
|              | Egypt       |                  |      |      |      |          |          |                 |      | 1    |      |          | 14-06-21 | 1           | 67          | 7    | 4    |      |                                  |      |      |             |      |      |      | 13-04-23 |          |             |          |
|              | Iran        |                  |      |      |      |          |          |                 |      |      |      |          |          |             | 2           |      |      |      |                                  |      |      |             |      |      |      | 23-09-21 |          |             |          |
|              | Pakistan    | 7                | 8    |      |      |          | 24-09-21 | 8               | 19   | 1    |      |          | 28-04-21 | 3           | 22          | 37   | 1    |      |                                  |      |      |             |      |      |      | 15-02-22 |          |             |          |
|              | Somalia     |                  |      | 2    |      |          | 01-09-22 |                 |      |      | 1    |          | 22-08-22 | 1           |             |      |      |      |                                  |      |      |             |      |      |      | 03-02-19 |          |             |          |
| Yemen        |             |                  | 3    | 1    |      | 05-09-23 |          |                 | 1    |      |      | 09-12-21 |          |             |             |      |      |      |                                  |      |      |             |      |      |      |          |          |             |          |
| aVDPV3       | Afghanistan | 1                |      |      |      |          | 23-06-20 |                 |      |      |      |          |          |             |             |      |      |      |                                  |      |      |             |      |      |      |          |          |             |          |
|              | Egypt       |                  |      |      |      |          |          |                 |      |      |      |          |          | 2           |             |      |      |      |                                  |      |      |             |      |      |      | 30-09-20 |          |             |          |
|              | Pakistan    |                  |      |      |      |          |          |                 |      |      |      |          |          |             | 1           |      |      |      |                                  |      |      |             |      |      |      | 05-04-21 |          |             |          |
| VDPV1        | Libya       | 1                |      |      |      |          | 15-01-20 |                 |      |      |      |          |          |             |             |      |      |      |                                  |      |      |             |      |      |      |          |          |             |          |
|              | Egypt       |                  |      |      |      |          |          |                 |      |      |      |          |          |             | 1           |      |      |      |                                  |      |      |             |      |      |      | 11-07-21 |          |             |          |
| VDPV2        | Pakistan    |                  |      |      |      |          |          |                 |      |      |      |          |          |             |             | 1    |      |      |                                  |      |      |             |      |      |      | 14-02-24 |          |             |          |
|              | Egypt       |                  |      |      | 1    |          | 17-07-23 |                 |      |      |      |          |          |             |             |      |      |      |                                  |      |      |             |      |      |      |          |          |             |          |
|              | Iran        |                  |      |      |      |          |          |                 |      |      |      |          |          |             |             | 1    |      |      |                                  |      |      |             |      |      |      | 04-02-22 |          |             |          |
|              | Jordan      |                  |      |      |      |          |          |                 |      |      |      |          |          |             |             | 2    |      |      |                                  |      |      |             |      |      |      | 25-05-22 |          |             |          |
|              | Somalia     |                  |      | 1    |      |          | 01-09-22 |                 |      |      |      |          |          |             |             | 1    |      |      |                                  |      |      |             |      |      |      | 22-04-22 |          |             |          |
|              | Sudan       |                  |      |      |      |          |          |                 |      |      |      |          |          |             |             |      |      | 1    |                                  |      |      |             |      |      |      | 24-01-24 |          |             |          |
| VDPV3        | Yemen       |                  |      |      |      |          |          |                 |      |      |      |          |          |             |             | 3    | 2    |      |                                  |      |      |             |      |      |      | 27-05-23 |          |             |          |
|              | Pakistan    |                  |      |      |      |          |          |                 |      |      |      |          |          |             |             |      |      | 1    |                                  |      |      |             |      |      |      | 14-02-23 |          |             |          |

## VDPV Isolates, EMR countries, 2023





# Important links

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## Important Links

- [Global Polio Eradication Initiative](#)
- [IMST – Outbreak Response Dashboard](#)
- [nOPV2 Tracker](#)
- [Pol-MIS](#) (restricted to registered users)
- [Containment](#) (restricted to registered users)
- [Certification \(e-ACR\)](#) (restricted to registered users)