

# Global Circulating Vaccine-derived Poliovirus (cVDPV)<sup>1,2,3</sup>

<sup>1</sup>For cVDPV definition see [http://polioeradication.org/wp-content/uploads/2016/09/Reporting-and-Classification-of-VDPVs\\_Aug2016\\_EN.pdf](http://polioeradication.org/wp-content/uploads/2016/09/Reporting-and-Classification-of-VDPVs_Aug2016_EN.pdf). <sup>2</sup>Figures include multiple emergences. <sup>3</sup> stool collected in Sep -2016 but the final result was reported in 2017. <sup>4</sup> Include contact, healthy and community samples. <sup>5</sup> 1 cVDPV2 and cVDPV3 isolated from one child. <sup>6</sup>No clear evidence of in-country community transmission; investigations underway

|                     | Country                  | AFP cases<br>(Paralysis onset between 2016-2021) |      |      |                |      |      | Other sources (Human) <sup>4</sup><br>(Collection between 2016-2021) |                |    |                |     |      | Other sources (Environment)<br>(Collection between 2016-2021) |           |           |      |      |                             |      |      |      |      |           |           |                             |
|---------------------|--------------------------|--------------------------------------------------|------|------|----------------|------|------|----------------------------------------------------------------------|----------------|----|----------------|-----|------|---------------------------------------------------------------|-----------|-----------|------|------|-----------------------------|------|------|------|------|-----------|-----------|-----------------------------|
|                     |                          | 2016                                             | 2017 | 2018 | 2019           | 2020 | 2021 | Onset of most recent case                                            |                |    |                |     | 2016 | 2017                                                          | 2018      | 2019      | 2020 | 2021 | most recent collection date | 2016 | 2017 | 2018 | 2019 | 2020      | 2021      | most recent collection date |
| cVDPV1 <sup>1</sup> | Yemen                    |                                                  |      |      | 1              | 29   |      | 25-Sep-20                                                            |                |    |                | 1   |      |                                                               | 07-Jul-19 |           |      |      |                             |      |      |      |      |           |           |                             |
|                     | Malaysia                 |                                                  |      |      | 3              | 1    |      | 14-Jan-20                                                            |                |    |                |     |      |                                                               |           |           |      |      |                             |      |      | 12   | 9    |           | 13-Mar-20 |                             |
|                     | Philippines              |                                                  |      |      | 2              |      |      | 28-Oct-19                                                            |                |    |                | 1   |      |                                                               | 31-Oct-19 |           |      |      |                             |      |      | 14   |      |           | 28-Nov-19 |                             |
|                     | Myanmar                  |                                                  |      |      |                | 6    |      | 09-Aug-19                                                            |                |    |                | 6   |      |                                                               | 21-Aug-19 |           |      |      |                             |      |      |      |      |           |           |                             |
|                     | Indonesia                |                                                  |      |      | 1              |      |      | 27-Nov-18                                                            |                |    |                | 2   |      |                                                               | 13-Feb-19 |           |      |      |                             |      |      |      |      |           |           |                             |
|                     | PNG                      |                                                  |      |      | 26             |      |      | 18-Oct-18                                                            |                |    | 7              |     |      |                                                               | 20-Sep-18 |           |      | 7    |                             |      |      |      |      |           | 06-Nov-18 |                             |
|                     | Laos                     | 3                                                |      |      |                |      |      | 11-Jan-16                                                            |                | 5  |                |     |      |                                                               | 09-Feb-16 |           |      |      |                             |      |      |      |      |           |           |                             |
| Total type 1        |                          | 3                                                | 0    | 27   | 12             | 30   | 0    |                                                                      | 5              | 0  | 7              | 10  | 0    | 0                                                             |           | 0         | 0    | 7    | 26                          | 9    | 0    |      |      |           |           |                             |
| cVDPV2 <sup>1</sup> | Pakistan                 | 1                                                |      |      | 22             | 135  | 6    | 14-Jan-21                                                            |                |    |                | 15  | 2    |                                                               | 11-Nov-20 | 4         |      |      | 40                          | 135  | 22   |      |      |           | 02-Apr-21 |                             |
|                     | Tajikistan               |                                                  |      |      |                | 1    | 5    | 14-Feb-21                                                            |                |    |                |     |      | 4                                                             | 03-Feb-21 |           |      |      |                             |      | 3    |      |      |           | 27-Feb-21 |                             |
|                     | Egypt                    |                                                  |      |      |                |      |      |                                                                      |                |    |                |     |      |                                                               |           |           |      |      |                             | 1    | 9    |      |      | 25-Feb-21 |           |                             |
|                     | Afghanistan              |                                                  |      |      | 308            | 18   |      | 16-Feb-21                                                            |                |    |                | 36  | 1    |                                                               | 30-Jan-21 |           |      |      |                             | 174  | 24   |      |      | 24-Feb-21 |           |                             |
|                     | Sierra Leone             |                                                  |      |      | 8              |      |      | 17-Dec-20                                                            |                |    |                | 2   |      |                                                               | 16-Dec-20 |           |      |      |                             |      |      | 3    |      |           | 06-Feb-21 |                             |
|                     | Nigeria                  | 1                                                |      | 34   | 18             | 8    | 3    | 27-Jan-21                                                            | 2 <sup>2</sup> |    | 53             | 18  | 8    | 1                                                             | 05-Feb-21 | 1         |      | 44   | 64                          | 5    |      |      |      |           | 13-Nov-20 |                             |
|                     | South Sudan              |                                                  |      |      |                | 50   | 4    | 25-Jan-21                                                            |                |    |                |     | 18   | 1                                                             | 08-Jan-21 |           |      |      |                             | 3    |      |      |      |           | 03-Nov-20 |                             |
|                     | Liberia                  |                                                  |      |      |                |      |      |                                                                      |                |    |                |     | 2    | 1                                                             | 20-Jan-21 |           |      |      |                             | 6    |      |      |      |           | 01-Dec-20 |                             |
|                     | Kenya                    |                                                  |      |      |                |      |      | 22-Dec-20                                                            |                |    |                |     | 1    |                                                               | 20-Nov-20 |           |      | 1    |                             | 1    | 1    |      |      |           | 13-Jan-21 |                             |
|                     | Iran                     |                                                  |      |      |                |      |      |                                                                      |                |    |                |     |      |                                                               |           |           |      |      |                             | 3    |      |      |      |           | 25-Dec-20 |                             |
|                     | Senegal                  |                                                  |      |      |                |      |      |                                                                      |                |    |                |     |      |                                                               |           |           |      |      |                             | 1    |      |      |      |           | 24-Dec-20 |                             |
|                     | DR Congo                 |                                                  | 22   | 20   | 88             | 81   |      |                                                                      | 24-Dec-20      |    |                | 19  | 15   | 29                                                            | 88        | 28-Oct-20 |      |      |                             |      | 1    |      |      |           |           | 29-Apr-20                   |
|                     | Sudan                    |                                                  |      |      |                | 58   |      |                                                                      | 18-Dec-20      |    |                |     |      |                                                               | 10        | 01-Oct-20 |      |      |                             |      | 14   |      |      |           |           | 09-Nov-20                   |
|                     | Congo                    |                                                  |      |      |                | 2    |      |                                                                      | 14-Nov-20      |    |                |     |      |                                                               | 2         | 12-Oct-20 |      |      |                             |      | 1    |      |      |           |           | 16-Dec-20                   |
|                     | Chad                     |                                                  |      |      | 11             | 99   |      |                                                                      | 15-Dec-20      |    |                | 6   | 17   |                                                               | 3         | 15-Oct-20 |      |      |                             | 10   | 3    |      |      |           |           | 13-Mar-20                   |
|                     | Mali                     |                                                  |      |      |                | 43   |      |                                                                      | 11-Dec-20      |    |                |     |      |                                                               | 3         | 15-Aug-20 |      |      |                             |      | 4    |      |      |           |           | 29-Aug-20                   |
|                     | Benin                    |                                                  |      |      | 8              | 3    |      |                                                                      | 30-Nov-20      |    |                |     |      |                                                               |           |           |      |      |                             |      | 5    |      |      |           |           | 04-Dec-20                   |
|                     | Côte d'Ivoire            |                                                  |      |      |                | 72   |      |                                                                      | 18-Oct-20      |    |                |     | 24   |                                                               |           | 01-Nov-20 |      |      |                             | 7    | 52   |      |      |           |           | 20-Nov-20                   |
|                     | Guinea                   |                                                  |      |      |                | 45   |      |                                                                      | 20-Nov-20      |    |                |     | 1    |                                                               |           | 05-Sep-20 |      |      |                             |      |      |      |      |           |           |                             |
|                     | Niger                    |                                                  |      | 10   | 1              | 9    |      |                                                                      | 25-Aug-20      |    | 4              | 6   | 2    |                                                               |           | 13-Oct-20 |      |      |                             |      | 5    |      |      |           |           | 16-Nov-20                   |
|                     | Burkina Faso             |                                                  |      |      | 1              | 59   |      |                                                                      | 14-Nov-20      |    |                |     | 11   |                                                               |           | 15-Jun-20 |      |      |                             |      |      |      |      |           |           |                             |
|                     | Somalia                  |                                                  |      |      | 6 <sup>5</sup> | 3    | 14   |                                                                      | 25-Oct-20      |    |                | 2   | 12   |                                                               |           | 10-Nov-20 |      | 2    | 19                          | 5    | 26   |      |      |           |           | 24-Oct-20                   |
|                     | Central African Republic |                                                  |      |      |                | 21   | 4    |                                                                      | 29-Oct-20      |    |                |     | 39   | 1                                                             |           | 05-Oct-20 |      |      |                             | 9    | 2    |      |      |           |           | 05-Feb-20                   |
|                     | Ethiopia                 |                                                  |      |      |                | 14   | 26   |                                                                      | 12-Oct-20      |    |                |     | 9    | 6                                                             |           | 25-Feb-20 |      |      |                             | 3    | 1    |      |      |           |           | 21-Sep-20                   |
|                     | Cameroon                 |                                                  |      |      |                | 7    |      |                                                                      | 11-Sep-20      |    |                |     | 7    | 4                                                             |           | 29-Mar-20 |      |      |                             | 4    | 9    |      |      |           |           | 29-Sep-20                   |
|                     | Ghana                    |                                                  |      |      |                | 18   | 12   |                                                                      | 09-Mar-20      |    |                |     | 16   | 10                                                            |           | 22-Feb-20 |      |      |                             | 17   | 20   |      |      |           |           | 17-Sep-20                   |
|                     | Togo                     |                                                  |      |      |                | 8    | 9    |                                                                      | 03-May-20      |    |                |     | 1    | 9                                                             |           | 09-Jul-20 |      |      |                             |      |      |      |      |           |           |                             |
|                     | Angola                   |                                                  |      |      |                | 138  | 3    |                                                                      | 09-Feb-20      |    |                |     | 22   |                                                               |           | 31-Oct-19 |      |      |                             | 17   |      |      |      |           |           | 02-Dec-19                   |
|                     | Malaysia                 |                                                  |      |      |                |      |      |                                                                      |                |    |                |     |      |                                                               |           |           |      |      |                             | 3    | 5    |      |      |           |           | 04-Feb-20                   |
|                     | Philippines              |                                                  |      |      | 12             | 1    |      |                                                                      | 15-Jan-20      |    |                |     | 5    |                                                               |           | 23-Nov-19 |      |      |                             | 19   | 4    |      |      |           |           | 16-Jan-20                   |
|                     | Zambia                   |                                                  |      |      | 2              |      |      |                                                                      | 25-Nov-19      |    |                |     | 2    |                                                               |           | 25-Sep-19 |      |      |                             |      |      |      |      |           |           |                             |
|                     | China                    |                                                  |      |      |                | 1    |      |                                                                      | 25-Apr-19      |    |                |     | 3    |                                                               |           | 18-Aug-19 |      |      | 1                           |      |      |      |      |           |           | 18-Apr-18                   |
|                     | Mozambique               |                                                  |      |      | 1              |      |      |                                                                      | 21-Oct-18      |    |                | 2   |      |                                                               |           | 17-Dec-18 |      |      |                             |      |      |      |      |           |           |                             |
|                     | Syria                    |                                                  |      |      | 74             |      |      |                                                                      | 21-Sep-17      |    | 1 <sup>1</sup> | 66  |      |                                                               |           | 12-Sep-17 |      |      |                             |      |      |      |      |           |           |                             |
| Total type 2        |                          | 2                                                | 96   | 71   | 366            | 1057 | 36   |                                                                      | 3              | 85 | 74             | 173 | 269  | 8                                                             |           | 5         | 2    | 65   | 198                         | 481  | 62   |      |      |           |           |                             |
| cVDPV3 <sup>1</sup> | Somalia                  |                                                  |      |      | 7 <sup>2</sup> |      |      | 07-Sep-18                                                            |                |    |                | 2   |      |                                                               | 29-Jun-18 |           |      |      | 11                          |      |      |      |      |           | 23-Aug-18 |                             |
|                     | Total type 3             | 0                                                | 0    | 7    | 0              | 0    | 0    |                                                                      | 0              | 0  | 2              | 0   | 0    | 0                                                             |           | 0         | 0    | 11   | 0                           | 0    | 0    |      |      |           |           |                             |
| Gender              | Female (all sero type)   | 3                                                | 54   | 34   | 151            | 474  | 10   |                                                                      |                |    |                |     |      |                                                               |           |           |      |      |                             |      |      |      |      |           |           |                             |
|                     | Male (all sero type)     | 2                                                | 42   | 70   | 215            | 602  | 24   |                                                                      |                |    |                |     |      |                                                               |           |           |      |      |                             |      |      |      |      |           |           |                             |
|                     | Gender Unknown           |                                                  |      |      | 12             | 11   | 2    |                                                                      |                |    |                |     |      |                                                               |           |           |      |      |                             |      |      |      |      |           |           |                             |

■ Environmental surveillance for poliovirus in selected sewage sites established and working

★ Changes from previous week

★ Due to backlog reporting of viruses from member states, numbers in this table may increase without being notified as new case/specimen in the current week

Data in WHO HQ as of 23 Mar. 2021