

# Highlights of New Wild Poliovirus and cVDPV Positives Reported Globally this Week

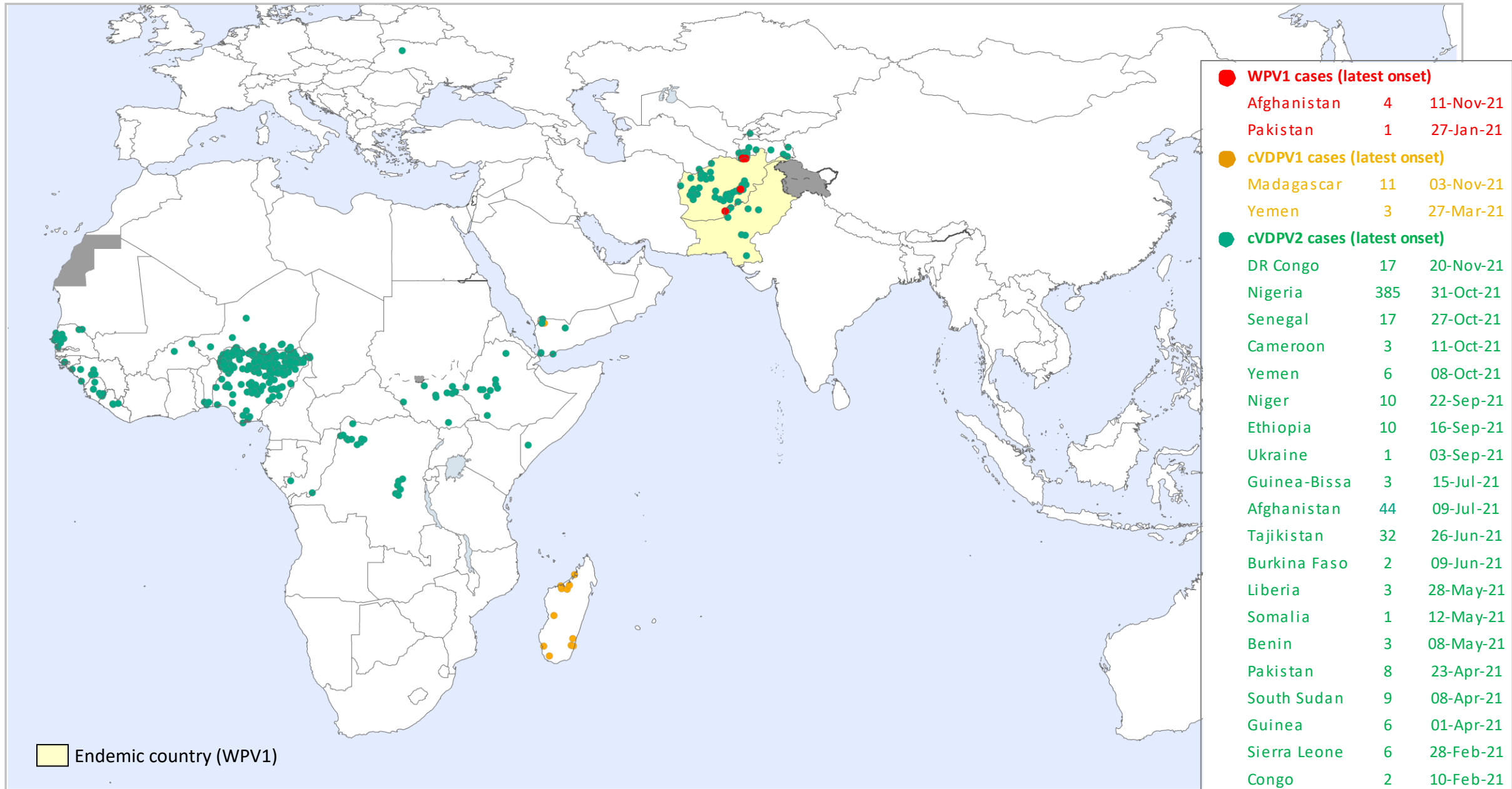
| Country    | WPV1 |     |                    | cVDPV1 |     |                    | cVDPV2 |     |                    | cVDPV3 |     |                    | Location<br>State/Province/Governorate  |
|------------|------|-----|--------------------|--------|-----|--------------------|--------|-----|--------------------|--------|-----|--------------------|---|
|            | AFP  | ENV | other <sup>1</sup> | AFP    | ENV | other <sup>1</sup> | AFP    | ENV | other <sup>1</sup> | AFP    | ENV | other <sup>1</sup> |   |
| PAKISTAN   |      | 2   |                    |        |     |                    |        |     |                    |        |     |                    | KHYBER PAKHTOON   |
| DR CONGO   |      |     |                    |        |     |                    | 4      | 1   | 1                  |        |     |                    | MANIEMA   |
| ETHIOPIA   |      |     |                    |        |     |                    | 1      |     |                    |        |     |                    | OROMIYA   |
| MADAGASCAR |      |     |                    | 1      | 2   | 2                  |        |     |                    |        |     |                    | SOFIA, SUD-OUEST, BOENI, ANALAMANGA   |
| NIGERIA    |      |     |                    |        |     |                    | 64     | 8   | 42                 |        |     |                    | BORNO, KANO, KATSINA, GOMBE, KEBBI, KADUNA, NASARAWA, SOKOTO, FCT, KWARA, LAGOS, EKITI, NIGER |
| SENEGAL    |      |     |                    |        |     |                    | 1      |     | 1                  |        |     |                    | MATAM   |
| YEMEN      |      |     |                    |        |     |                    | 2      |     |                    |        |     |                    | SAADAH  |

<sup>1</sup>contacts of positive AFP cases, community, healthy children

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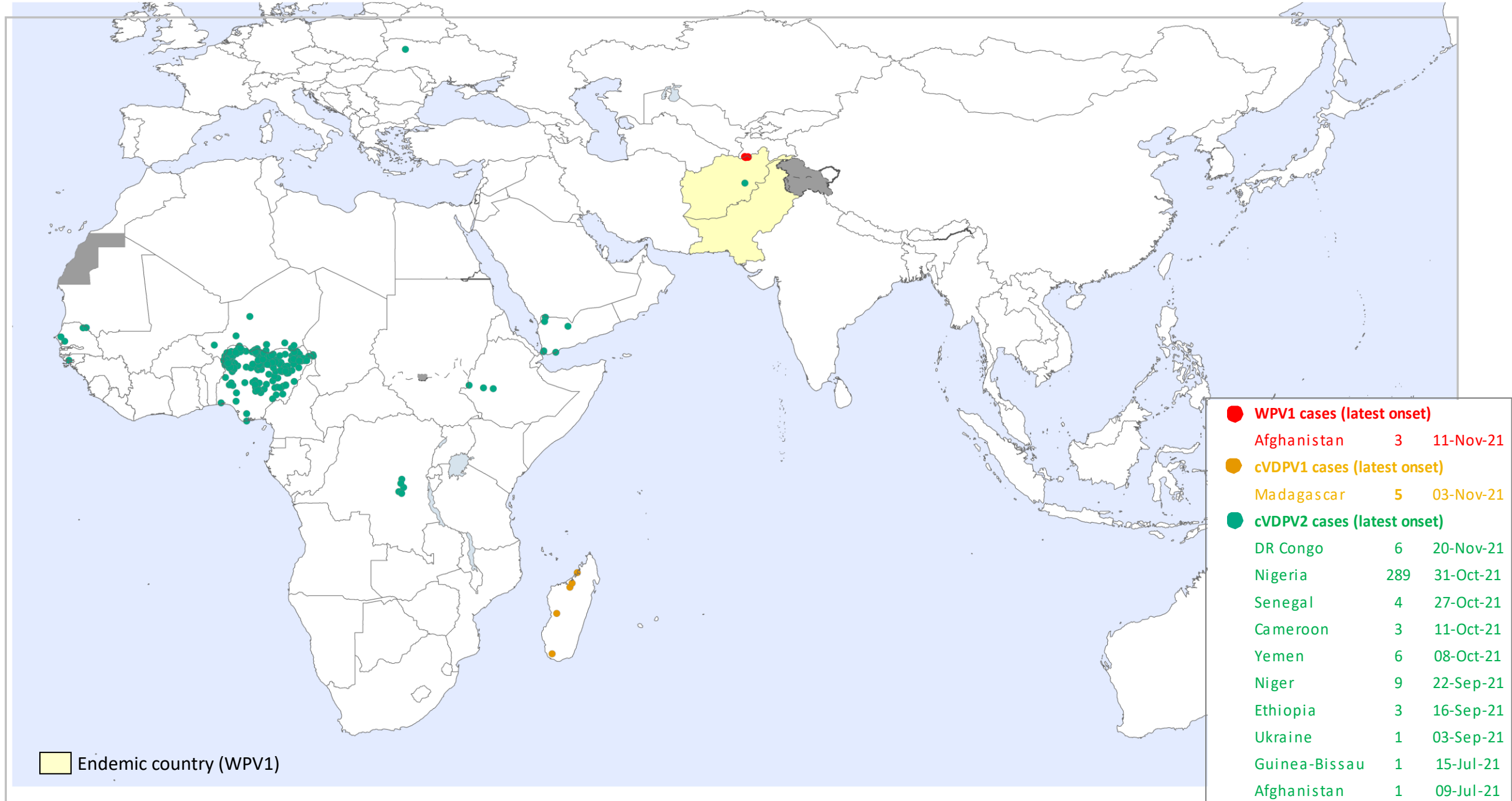
Data in WHO HQ as of 28 Dec. 2021

# Global WPV1 & cVDPV Cases<sup>1</sup>, Previous 12 Months<sup>2</sup>



<sup>1</sup>Excludes viruses detected from environmental surveillance; <sup>2</sup>Onset of paralysis 29 Dec. 2020 to 28 Dec. 2021

# Global WPV1 & cVDPV Cases<sup>1</sup>, Previous 6 Months<sup>2</sup>



<sup>1</sup>Excludes viruses detected from environmental surveillance; <sup>2</sup>Onset of paralysis 29 Jun. 2021 to 28 Dec. 2021

# Global Wild Poliovirus 2016 - 2021

| Country or territory <sup>3</sup> | Wild virus type 1 confirmed cases |                |           |            |            |                            |          |                          | Wild virus type 1 reported from other sources <sup>2</sup> |            |            |            |            |                            |           |                           |
|-----------------------------------|-----------------------------------|----------------|-----------|------------|------------|----------------------------|----------|--------------------------|--|------------|------------|------------|------------|----------------------------|-----------|---------------------------|
|                                   | Full year total                   |                |           |            |            | 01 Jan-28 Dec <sup>1</sup> |          | Date of most recent case | Full year total  |            |            |            |            | 01 Jan-28 Dec <sup>1</sup> |           | Date of most recent virus |
|                                   | 2016                              | 2017           | 2018      | 2019       | 2020       | 2020                       | 2021     |                          | 2016   | 2017       | 2018       | 2019       | 2020       | 2020                       | 2021      |                           |
| Pakistan                          | 20                                | 8              | 12        | 147        | 84         | 83                         | 1        | 27-Jan-21                | 62   | 110        | 141        | 405        | 455        | 426                        | 65        | 06-Dec-21                 |
| Afghanistan                       | 13                                | 14             | 21        | 29         | 56         | 56                         | 4        | 11-Nov-21                | 2  | 42         | 83         | 60         | 48         | 48                         | 1         | 23-Feb-21                 |
| Nigeria <sup>3</sup>              | 4                                 | 0              | 0         | 0          | 0          | 0                          | 0        | 21-Aug-16                | 1 <sup>4</sup>   |            |            |            |            |                            |           | 27-Sep-16                 |
| Iran                              | 0                                 | 0              | 0         | 0          | 0          | 0                          | 0        | NA                       |  |            |            | 3          |            |                            |           | 20-May-19                 |
| <b>Total (Type1)</b>              | <b>37</b>                         | <b>22</b>      | <b>33</b> | <b>176</b> | <b>140</b> | <b>139</b>                 | <b>5</b> |                          | <b>65</b>  | <b>152</b> | <b>224</b> | <b>468</b> | <b>503</b> | <b>474</b>                 | <b>66</b> |                           |
| Tot. in endemic countries         | 37                                | 22             | 33        | 176        | 140        | 139                        | 5        |                          |  |            |            |            |            |                            |           |                           |
| Tot. in non-end countries         | 0                                 | 0              | 0         | 0          | 0          | 0                          | 0        |                          |  |            |            |            |            |                            |           |                           |
| No. of countries (infected)       | 3                                 | 2              | 2         | 2          | 2          | 2                          | 2        |                          |  |            |            |            |            |                            |           |                           |
| No. of countries (endemic)        | 2 <sup>3</sup>                    | 2 <sup>3</sup> | 3         | 3          | 3          | 2                          | 2        |                          |  |            |            |            |            |                            |           |                           |
| Total Female                      | 13                                | 7              | 18        | 72         | 59         | 58                         | 1        |                          |  |            |            |            |            |                            |           |                           |
| Total Male                        | 24                                | 15             | 15        | 104        | 81         | 81                         | 4        |                          |  |            |            |            |            |                            |           |                           |

Countries in yellow are endemic. <sup>1</sup>Data reported to WHO HQ on 29 Dec. 2020 for 2020 data and 28 Dec. 2021 for 2021 data.

<sup>2</sup>Wild viruses from environmental samples, selected contacts, healthy children and other sources. Last WPV type 3 had its onset on 10 November 2012. <sup>3</sup>Between 27 Sep 2015 and 27 Sep 2016, Nigeria was not classified as endemic, and declared Wild polio-free as of June 2020. <sup>4</sup>Exceptionally reporting case-contact of a positive index case given the date of collection is later than the onset date of the most recent WPV.

# 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> | Madagascar               |  |      |                |      | 2    | 11        | 03-Nov-21                 |  |      |      |      |      | 19        | 14-Oct-21                   |   |      |      |      |      |      | 26                          | 26-Oct-21 |  |
|                     | Yemen                    |  |      |                | 1    | 31   | 3         | 27-Mar-21                 |  |      |      |      |      | 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             | 34   | 14   |           | 5                         | 0  | 7    | 10   | 0    | 19   |           | 0                           | 0   | 7    | 26   | 9    | 26   |      |                             |           |  |
| cVDPV2 <sup>1</sup> | Egypt                    |  |      |                |      |      |           |                           |  |      |      |      |      | 34        | 17-Nov-21                   |   |      |      |      | 1    | 11   |                             | 18-Nov-21 |  |
|                     | Senegal                  |  |      |                |      |      | 17        | 27-Oct-21                 |  |      |      |      |      | 177       | 08-Nov-21                   |   |      |      |      | 1    | 14   |                             | 09-Nov-21 |  |
|                     | Nigeria                  | 1  |      | 34             | 18   | 8    | 385       | 31-Oct-21                 | 2 <sup>2</sup>   |      | 53   | 18   | 8    | 177       | 08-Nov-21                   | 1   |      | 44   | 64   | 5    | 217  |                             | 17-Nov-21 |  |
|                     | DR Congo                 |  | 22   | 20             | 88   | 81   | 17        | 20-Nov-21                 |  | 19   | 15   | 29   | 95   | 6         | 22-Nov-21                   |   |      |      |      | 1    | 2    |                             | 23-Nov-21 |  |
|                     | Central African Republic |  |      |                | 21   | 4    |           | 29-Oct-20                 |  |      |      | 43   | 1    |           | 05-Oct-20                   |   |      |      |      | 9    | 2    | 1                           | 03-Nov-21 |  |
|                     | Mauritania               |  |      |                |      |      |           |                           |  |      |      |      |      | 4         | 19-Jul-21                   |   |      |      |      |      |      | 6                           | 03-Nov-21 |  |
|                     | Uganda                   |  |      |                |      |      |           |                           |  |      |      |      |      |           |                             |   |      |      |      |      |      | 2                           | 02-Nov-21 |  |
|                     | Cameroon                 |  |      |                |      | 7    | 3         | 11-Oct-21                 |  |      |      |      | 4    | 3         | 29-Oct-21                   |   |      |      |      | 4    | 9    | 1                           | 25-Oct-21 |  |
|                     | Ukraine                  |  |      |                |      |      | 1         | 03-Sep-21                 |  |      |      |      |      | 18        | 09-Oct-21                   |   |      |      |      |      |      |                             |           |  |
|                     | Niger                    |  |      | 10             | 1    | 10   | 10        | 22-Sep-21                 |  |      | 4    | 6    | 2    | 1         | 13-Aug-21                   |   |      |      |      | 9    |      |                             | 08-Dec-20 |  |
|                     | Yemen                    |  |      |                |      |      |           | 6                         | 08-Oct-21  |      |      |      |      |           |                             |   |      |      |      |      |      |                             |           |  |
|                     | Gambia                   |  |      |                |      |      |           |                           |  |      |      |      |      |           |                             |   |      |      |      |      |      | 9                           | 09-Sep-21 |  |
|                     | Benin                    |  |      |                | 8    | 3    | 3         | 08-May-21                 |  |      |      |      |      | 2         | 08-Sep-21                   |   |      |      |      | 5    | 1    |                             | 22-Mar-21 |  |
|                     | Tajikistan               |  |      |                |      | 1    | 32        | 26-Jun-21                 |  |      |      |      |      | 22        | 24-May-21                   |   |      |      |      |      |      | 17                          | 13-Aug-21 |  |
|                     | Pakistan                 | 1  |      |                | 22   | 135  | 8         | 23-Apr-21                 |  |      |      | 14   | 2    |           | 11-Nov-20                   | 4   |      |      | 40   | 135  | 35   |                             | 11-Aug-21 |  |
|                     | Guinea                   |  |      |                |      | 44   | 6         | 01-Apr-21                 |  |      |      |      | 1    |           | 05-Sep-20                   |   |      |      |      | 1    | 2    |                             | 03-Aug-21 |  |
|                     | Guinea-Bissau            |  |      |                |      |      | 3         | 15-Jul-21                 |  |      |      |      |      | 1         | 26-Jul-21                   |   |      |      |      |      |      |                             |           |  |
|                     | Ethiopia                 |  |      |                | 14   | 36   | 10        | 16-Sep-21                 |  |      |      | 9    | 7    |           | 13-Oct-20                   |   |      |      |      | 3    | 4    |                             | 28-Dec-20 |  |
|                     | Afghanistan              |  |      |                |      | 308  | 43        | 09-Jul-21                 |  |      |      |      | 36   | 2         | 03-May-21                   |   |      |      |      |      | 175  | 40                          | 23-Jun-21 |  |
|                     | Burkina Faso             |  |      |                | 1    | 65   | 2         | 09-Jun-21                 |  |      |      |      | 12   |           | 19-Sep-20                   |   |      |      |      |      |      |                             |           |  |
|                     | Sierra Leone             |  |      |                |      | 10   | 5         | 28-Feb-21                 |  |      |      |      | 6    | 8         | 19-Mar-21                   |   |      |      |      |      |      | 9                           | 01-Jun-21 |  |
|                     | Congo                    |  |      |                |      | 2    | 2         | 10-Feb-21                 |  |      |      |      | 2    |           | 12-Oct-20                   |   |      |      |      |      | 1    | 2                           | 01-Jun-21 |  |
|                     | Liberia                  |  |      |                |      |      | 3         | 28-May-21                 |  |      |      |      | 2    | 5         | 21-Jan-21                   |   |      |      |      |      | 7    | 14                          | 20-Apr-21 |  |
|                     | Somalia                  |  |      | 6 <sup>5</sup> | 3    | 14   | 1         | 12-May-21                 |  |      |      |      | 2    | 13        | 10-Nov-20                   |   | 2    | 19   | 5    | 27   | 1    |                             | 23-May-21 |  |
|                     | South Sudan              |  |      |                |      | 50   | 9         | 10-Apr-21                 |  |      |      |      | 19   | 5         | 25-Feb-21                   |   |      |      |      | 6    |      |                             | 01-Dec-20 |  |
|                     | Iran                     |  |      |                |      |      |           |                           |  |      |      |      |      |           |                             |   |      |      |      |      | 3    | 1                           | 20-Feb-21 |  |
|                     | Kenya                    |  |      |                |      |      |           |                           |  |      |      |      | 1    | 2         | 25-Jan-21                   |   |      |      | 1    | 1    | 1    |                             | 13-Jan-21 |  |
|                     | Côte d'Ivoire            |  |      |                |      | 64   |           | 18-Oct-20                 |  |      |      |      | 24   |           | 01-Nov-20                   |   |      |      |      | 7    | 93   |                             | 23-Dec-20 |  |
|                     | Mali                     |  |      |                |      | 52   |           | 23-Dec-20                 |  |      |      |      | 3    |           | 15-Aug-20                   |   |      |      |      |      | 4    |                             | 29-Aug-20 |  |
|                     | Sudan                    |  |      |                |      | 59   |           | 18-Dec-20                 |  |      |      |      | 11   |           | 01-Oct-20                   |   |      |      |      |      | 14   |                             | 09-Nov-20 |  |
|                     | Chad                     |  |      |                | 11   | 101  |           | 28-Nov-20                 |  |      |      | 6    | 17   |           | 15-Oct-20                   |   |      |      |      |      | 10   | 3                           | 13-Mar-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 |                           |  |      |      | 6    |      | 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>3</sup>            | 66   |      |      |      |      | 12-Sep-17 |                             |   |      |      |      |      |      |                             |           |  |
| Total type 2        | 2                        | 96   | 71   | 366            | 1079 | 566  |           | 3                         | 85   | 74   | 177  | 285  | 290  |           | 5                           | 2   | 65   | 198  | 536  | 386  |      |                             |           |  |
| cVDPV3 <sup>1</sup> | China                    |  |      |                |      |      |           |                           |  |      |      |      | 1    |           | 22-Jul-20                   |   |      |      |      |      |      | 1                           | 25-Jan-21 |  |
|                     | Somalia                  |  |      | 7 <sup>5</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    | 1    | 0         |                             | 0   | 0    | 11   | 0    | 0    | 1    |                             |           |  |
| Gender              | Female (all sero type)   | 3  | 54   | 34             | 151  | 493  | 245       |                           |  |      |      |      |      |           |                             |   |      |      |      |      |      |                             |           |  |
|                     | Male (all sero type)     | 2  | 42   | 70             | 215  | 610  | 333       |                           |  |      |      |      |      |           |                             |   |      |      |      |      |      |                             |           |  |
|                     | Gender Unknown           |  |      |                | 12   | 10   | 2         |                           |  |      |      |      |      |           |                             |   |      |      |      |      |      |                             |           |  |

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

Changes from previous week

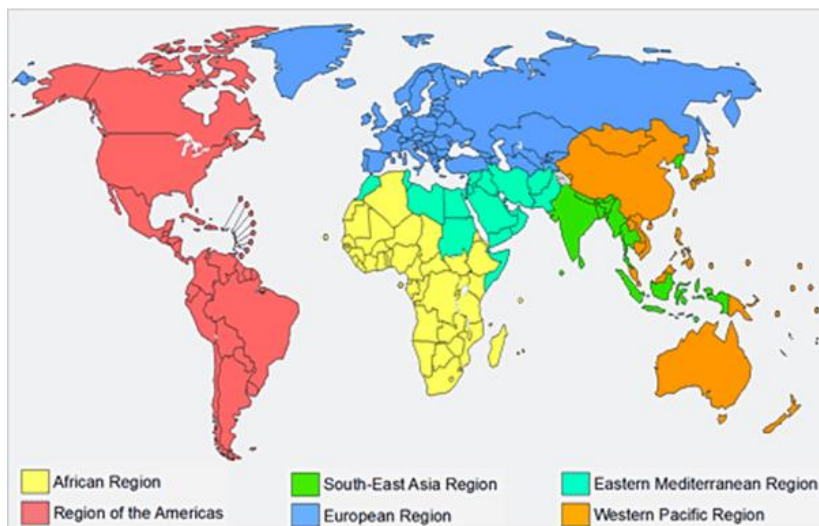
# Global Surveillance Indicators: Year to Date Comparison

## 2020 & 2021: 01 January to 28 December 2021\*

| WHO region                   | AFP cases     |               | Wild poliovirus cases |          | cVDPV <sup>1</sup> cases |            | Polio compatibles |           | Pending final classification |              |              |
|------------------------------|---------------|---------------|-----------------------|----------|--------------------------|------------|-------------------|-----------|------------------------------|--------------|--------------|
|                              |               |               |                       |          |                          |            |                   |           | Total                        |              | > 90 days    |
|                              | 2020          | 2021          | 2020                  | 2021     | 2020                     | 2021       | 2020              | 2021      | 2020                         | 2021         | 2021         |
| <b>African</b>               | 19,829        | 25,506        | 0                     | 0        | 455                      | 486        | 67                | 57        | 2,930                        | 2,474        | 683          |
| <b>Central</b>               | 4,912         | 5,867         | 0                     | 0        | 184                      | 22         | 32                | 20        | 455                          | 591          | 164          |
| <b>South/East</b>            | 4,919         | 6,822         | 0                     | 0        | 59                       | 30         | 22                | 21        | 1,244                        | 862          | 283          |
| <b>West</b>                  | 9,998         | 12,817        | 0                     | 0        | 212                      | 434        | 13                | 16        | 1,231                        | 1,021        | 236          |
| <b>American</b>              | 1,106         | 1,141         | 0                     | 0        | 0                        | 0          | 0                 | 0         | 179                          | 182          | 131          |
| <b>Eastern Mediterranean</b> | 18,623        | 21,461        | 139                   | 5        | 442                      | 61         | 10                | 5         | 1,888                        | 1,728        | 213          |
| <b>European</b>              | 823           | 1,024         | 0                     | 0        | 0                        | 33         | 0                 | 4         | 208                          | 241          | 70           |
| <b>South East Asian</b>      | 20,311        | 26,070        | 0                     | 0        | 0                        | 0          | 0                 | 5         | 3,816                        | 3,143        | 1,231        |
| <b>Western Pacific</b>       | 4,839         | 4,698         | 0                     | 0        | 2                        | 0          | 2                 | 0         | 1,774                        | 2,217        | 1,557        |
| <b>Global</b>                | <b>65,531</b> | <b>79,900</b> | <b>139</b>            | <b>5</b> | <b>899</b>               | <b>580</b> | <b>79</b>         | <b>71</b> | <b>10,795</b>                | <b>9,985</b> | <b>3,885</b> |

<sup>1</sup>cVDPV includes all three serotypes 1, 2 and 3. Please refer to slide 5 for the distribution of cases by serotype.

WHO Regions



For data at country, regional and global levels from 2000 onwards, see the WHO website at <https://extranet.who.int/polis/public/CaseCount.aspx>

\*Data for 2020 as of 29 Dec. 2020 and for 2021 as of 28 Dec. 2021