

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

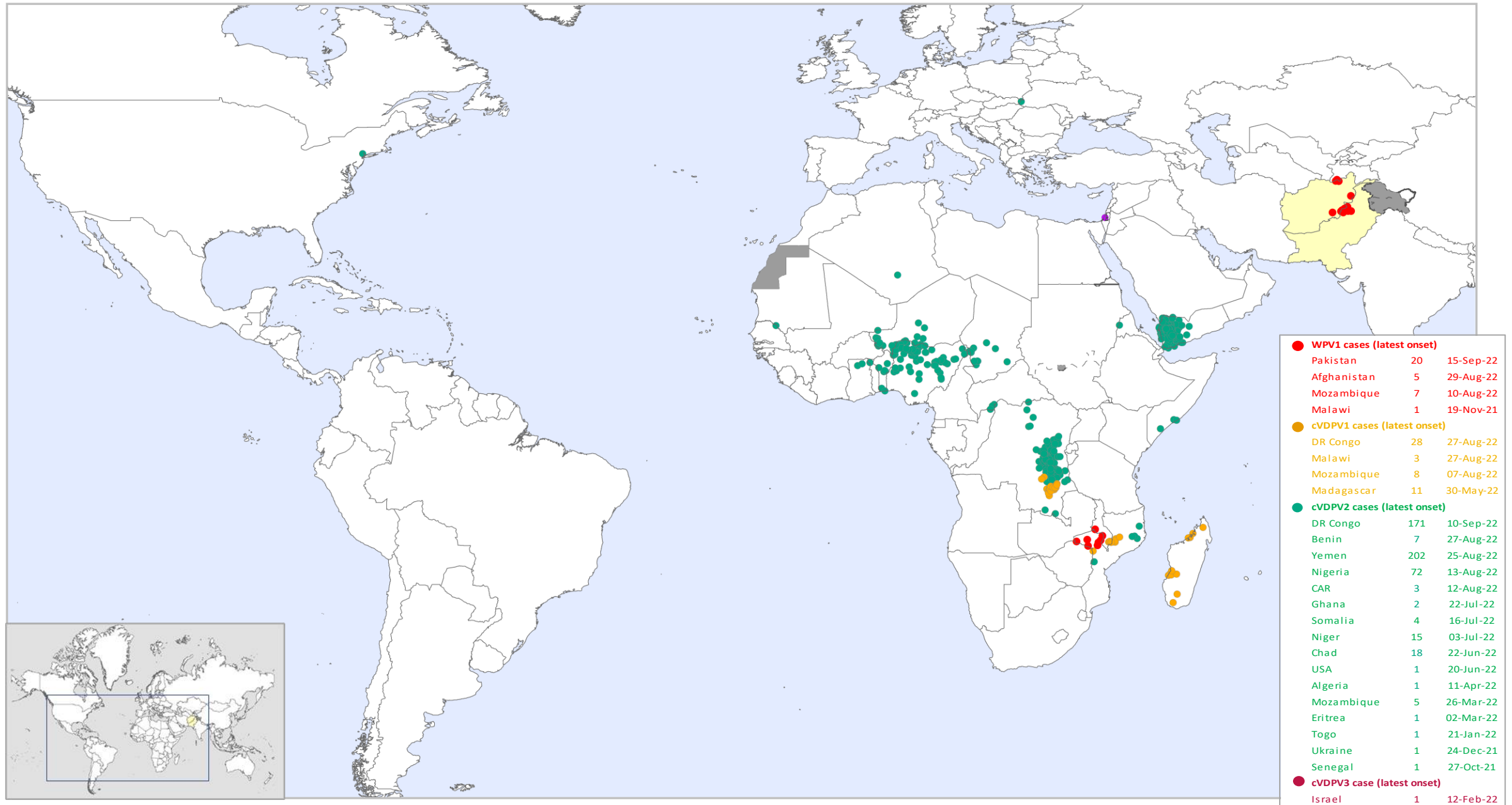
| Country | WPV1 | | | cVDPV1 | | | cVDPV2 | | | cVDPV3 | | | Location State/Province/Governorate |
|----------|------|-----|--------------------|--------|-----|--------------------|--------|-----|--------------------|--------|-----|--------------------|---|
| | AFP | ENV | other ¹ | AFP | ENV | other ¹ | AFP | ENV | other ¹ | AFP | ENV | other ¹ | |
| PAKISTAN | | 2 | | | | | | | | | | | KPAKHTUNKHWA |
| BENIN | | | | | | | 1 | | | | | | DONGA |
| DR CONGO | | | | 18 | | | 17 | | 1 | | | | HAUT LOMAMI, TANGANYIKA (cVDPV1) TANGANYIKA, MANIEMA, SUD-KIVU, LUALABA (cVDPV2) |
| MALAWI | | | | 1 | | | | | | | | | SOUTHERN |
| NIGER | | | | | | | | 2 | | | | | NIAMEY |
| SENEGAL | | | | | | | | 1 | | | | | DAKAR |
| TOGO | | | | | | | | 1 | | | | | LOME-COMMUNE |
| YEMEN | | | | | | | 5 | | 3 | | | | IBB, SANAA, ALMAHAWEET, DHAMAR |

¹contacts of positive AFP cases, community, healthy children

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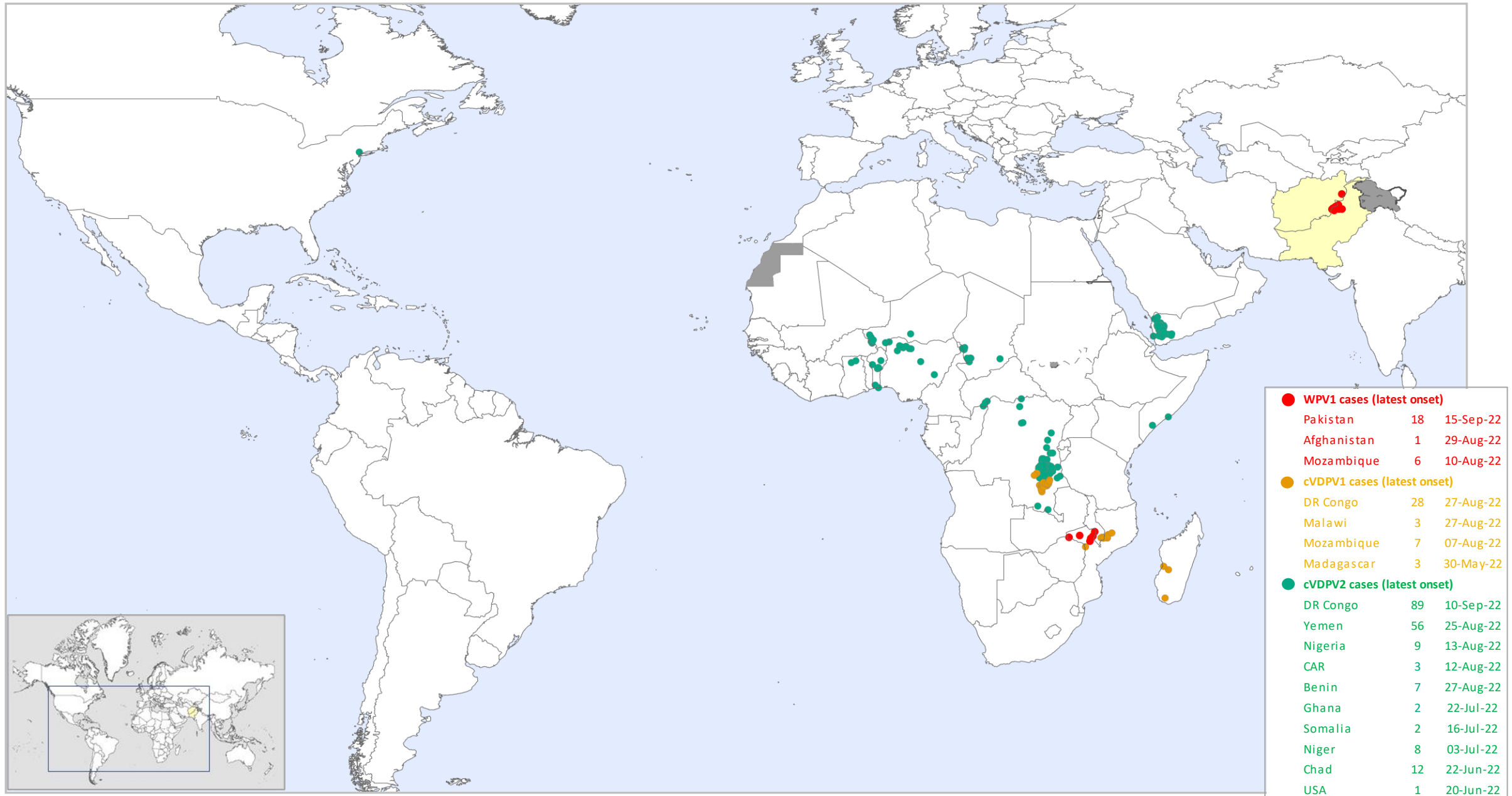
Data in WHO HQ as of 18 Oct. 2022

Global WPV1 & cVDPV Cases¹, Previous 12 Months²



¹Excludes viruses detected from environmental surveillance; ²Onset of paralysis 19 Oct. 2021 to 18 Oct. 2022

Global WPV1 & cVDPV Cases¹, Previous 6 Months²



¹Excludes viruses detected from environmental surveillance; ²Onset of paralysis 19 Apr. 2022 to 18 Oct. 2022

Global Wild Poliovirus 2016 - 2022

| Country or territory ³ | Wild virus type 1 confirmed cases | | | | | | | | | Wild virus type 1 reported from other sources ² | | | | | | | |
|-----------------------------------|-----------------------------------|----------------|-----------|------------|------------|----------|----------------------------|-----------|--------------------------|--|------------|------------|------------|------------|-----------|---------------------------|---------------------------|
| | Full year total ³ | | | | | | 01 Jan-18 Oct ¹ | | Date of most recent case | Full year total | | | | | | 1 Jan-18 Oct ¹ | Date of most recent virus |
| | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2021 | 2022 | | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | |
| Pakistan | 20 | 8 | 12 | 147 | 84 | 1 | 1 | 20 | 15-Sep-22 | 62 | 110 | 141 | 405 | 455 | 65 | 35 | 27-Sep-22 |
| Afghanistan | 13 | 14 | 21 | 29 | 56 | 4 | 1 | 2 | 29-Aug-22 | 2 | 42 | 83 | 60 | 49 | 1 | 3 | 04-Sep-22 |
| Mozambique | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 10-Aug-22 | | | | | | | | |
| Malawi | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 19-Nov-21 | | | | | | | | |
| Iran | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NA | | | | 3 | | | | 20-May-19 |
| Nigeria ³ | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21-Aug-16 | 1 ⁴ | | | | | | | 27-Sep-16 |
| Total (Type1) | 37 | 22 | 33 | 176 | 140 | 6 | 2 | 29 | | 65 | 152 | 224 | 468 | 504 | 66 | 38 | |
| Tot. in endemic countries | 37 | 22 | 33 | 176 | 140 | 5 | 2 | 22 | | | | | | | | | |
| Tot. in non-end countries | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 7 | | | | | | | | | |
| No. of countries (infected) | 3 | 2 | 2 | 2 | 2 | 3 | 2 | 3 | | | | | | | | | |
| No. of countries (endemic) | 2 ³ | 2 ³ | 3 | 3 | 3 | 2 | 2 | 2 | | | | | | | | | |
| Total Female | 13 | 7 | 18 | 72 | 59 | 2 | 0 | 8 | | | | | | | | | |
| Total Male | 24 | 15 | 15 | 104 | 81 | 4 | 2 | 21 | | | | | | | | | |

Countries in yellow are endemic. ¹Data reported to WHO HQ on 19 Oct. 2021 for 2021 data and 18 Oct. for 2022 data.

²Wild viruses from environmental samples, selected contacts, healthy children and other sources. Last WPV type 3 had its onset on 10 November 2012. ³Between 27 Sep 2015 and 27 Sep 2016, Nigeria was not classified as endemic, and declared Wild polio-free as of June 2020. ⁴Exceptionally 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)^{1,2,3}

| | Country | AFP cases (Paralysis onset between 2020-2022) | | | | Other sources (Human) ⁴ (Collection between 2020-2022) | | | | Other sources (Environment) (Collection between 2020-2022) | | | | |
|---------------------|----------------------------|--|------------|------------|---------------------------|--|------------|-----------|-----------------------------|---|------------|------------|-----------------------------|-----------|
| | | 2020 | 2021 | 2022 | Onset of most recent case | 2020 | 2021 | 2022 | most recent collection date | 2020 | 2021 | 2022 | most recent collection date | |
| cVDPV ¹ | DR Congo | | | 28 | 27-Aug-22 | | | 2 | 21-Aug-22 | | | | | |
| | Malawi | | | 3 | 27-Aug-22 | | | | | | | | | |
| | Mozambique | 1 | | 8 | 05-Aug-22 | | | | | | | | | |
| | Madagascar | 2 | 13 | 8 | 30-May-22 | | 25 | 6 | 28-Apr-22 | | 31 | 64 | 20-Jun-22 | |
| | Yemen | 31 | 3 | | 27-Mar-21 | | | | 07-Jul-19 | | | | | |
| | Malaysia | 1 | | | 14-Jan-20 | | | | | 9 | | | 13-Mar-20 | |
| Total type 1 | | 35 | 16 | 47 | | 0 | 25 | 8 | | 9 | 31 | 64 | | |
| cVDPV ² | Nigeria | 8 | 415 | 36 | 13-Aug-22 | 8 | 204 | 24 | 25-Jun-22 | 5 | 303 | 64 | 19-Sep-22 | |
| | DR Congo | 81 | 28 | 154 | 10-Sep-22 | 95 | 6 | 21 | 16-Jun-22 | 1 | 3 | 4 | 27-Aug-22 | |
| | Ghana | 12 | | 2 | 22-Jul-22 | 10 | | 1 | 31-May-22 | 20 | | 18 | 06-Sep-22 | |
| | Togo | 9 | | 1 | 21-Jan-22 | 9 | | | 09-Jul-20 | | | 2 | 06-Sep-22 | |
| | Egypt | | | | | | | | | 1 | 12 | 4 | 29-Aug-22 | |
| | Benin | 3 | 3 | 7 | 27-Aug-22 | | 2 | 1 | 01-Jun-22 | 5 | 1 | 5 | 17-Aug-22 | |
| | Yemen | | 66 | 150 | 25-Aug-22 | | 17 | 32 | 23-Jul-22 | | 13 | 3 | 31-Jan-22 | |
| | Algeria | | | 1 | 11-Apr-22 | | | 2 | 19-Jul-22 | | | 8 | 21-Aug-22 | |
| | Central African Republic | 4 | | 3 | 12-Aug-22 | 1 | | | 05-Oct-20 | 2 | 1 | 5 | 27-Jul-22 | |
| | Niger | 10 | 18 | 10 | 03-Jul-22 | 2 | 1 | | 13-Aug-21 | 9 | | 8 | 26-Jul-22 | |
| | Somalia | 14 | 1 | 4 | 16-Jul-22 | 13 | | 2 | 21-Jul-22 | 26 | 1 | 3 | 19-May-22 | |
| | Côte d'Ivoire | 64 | | | 18-Oct-20 | 25 | | | 01-Nov-20 | 95 | | 3 | 18-Jul-22 | |
| | Chad | 101 | | 18 | 22-Jun-22 | 17 | | 2 | 03-Mar-22 | 3 | 1 | | 10-Nov-21 | |
| | United States of America | | | 1 | 20-Jun-22 | | | | | | | | | |
| | Israel | | | | | | | | | | | 1 | 16-Jun-22 | |
| | United Kingdom | | | | | | | | | | | 3 | 31-May-22 | |
| | Djibouti | | | | | | | | | | 7 | 12 | ★ | 22-May-22 |
| | Mozambique | | 2 | 4 | 26-Mar-22 | | | | | 17-Dec-18 | | | | |
| | Eritrea | | 1 | 1 | 02-Mar-22 | | | | | | | | | |
| | Burkina Faso | 68 | 2 | | 09-Jun-21 | 12 | | | 19-Sep-20 | | 1 | | | 28-Dec-21 |
| | Ukraine | | 2 | | 24-Dec-21 | | | 18 | 09-Oct-21 | | | | | |
| | Mauritania | | | | | | | 4 | 19-Jul-21 | | 7 | | | 15-Dec-21 |
| | Senegal | | 17 | | 27-Oct-21 | | | 34 | 17-Nov-21 | 1 | 14 | | | 18-Nov-21 |
| | Uganda | | | | | | | | | | 2 | | | 02-Nov-21 |
| | Cameroon | 7 | 3 | | 11-Oct-21 | 4 | 3 | | 29-Oct-21 | 9 | 1 | | | 25-Oct-21 |
| | Ethiopia | 36 | 10 | | 16-Sep-21 | 7 | | | 13-Oct-20 | 4 | | | | 28-Dec-20 |
| | Gambia | | | | | | | | | | 9 | | | 09-Sep-21 |
| | Pakistan | 135 | 8 | | 23-Apr-21 | 2 | | | 11-Nov-20 | 135 | 35 | | | 13-Aug-21 |
| | Guinea | 44 | 6 | | 01-Apr-21 | 1 | | | 05-Sep-20 | 1 | 2 | | | 11-Aug-21 |
| | Guinea-Bissau | | 3 | | 15-Jul-21 | | 1 | | 26-Jul-21 | | | | | 03-Aug-21 |
| | Tajikistan | 1 | 35 | | 25-Jul-21 | | | 22 | 24-May-21 | | 17 | | | 22-Mar-21 |
| | Afghanistan | 308 | 43 | | 09-Jul-21 | 36 | 2 | | 03-May-21 | 175 | 40 | | | 23-Jun-21 |
| | 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 | 3 | | | 01-Jun-21 |
| | Liberia | | 3 | | 28-May-21 | 2 | 5 | | 21-Jan-21 | 7 | 14 | | | 20-Apr-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 | | | 13-Jan-21 |
| | Mali | 52 | | | 23-Dec-20 | 3 | | | 15-Aug-20 | 4 | | | | 29-Aug-20 |
| | Sudan | 58 | | | 18-Dec-20 | 11 | | | 01-Oct-20 | 14 | | | | 09-Nov-20 |
| Angola | 3 | | | 09-Feb-20 | | | | 31-Oct-19 | | | | | 02-Dec-19 | |
| Malaysia | | | | | | | | | 5 | | | | 04-Feb-20 | |
| Philippines | 1 | | | 15-Jan-20 | | | | 23-Nov-19 | 4 | | | | 16-Jan-20 | |
| Total type 2 | | 1081 | 682 | 392 | | 286 | 334 | 85 | | 537 | 498 | 143 | | |
| cVDPV ³ | Israel | | | 1 | | | | 3 | 24-Mar-22 | 1 | 5 | 25 | 15-Mar-22 | |
| | Occupied Palestinian Terr. | | | | | | | | | | 7 | 9 | 12-Mar-22 | |
| | China | | | | | 1 | | | 22-Jul-20 | | 1 | | 25-Jan-21 | |
| Total type 3 | | 0 | 0 | 1 | | 1 | 0 | 3 | | 1 | 13 | 34 | | |
| Gender | Female (all sero type) | 493 | 396 | 185 | | | | | | | | | | |
| | Male (all sero type) | 610 | 292 | 251 | | | | | | | | | | |
| | Gender Unknown | 10 | 3 | 4 | | | | | | | | | | |

Environmental surveillance for poliovirus in selected sewage sites established and working

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

Changes from previous week

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

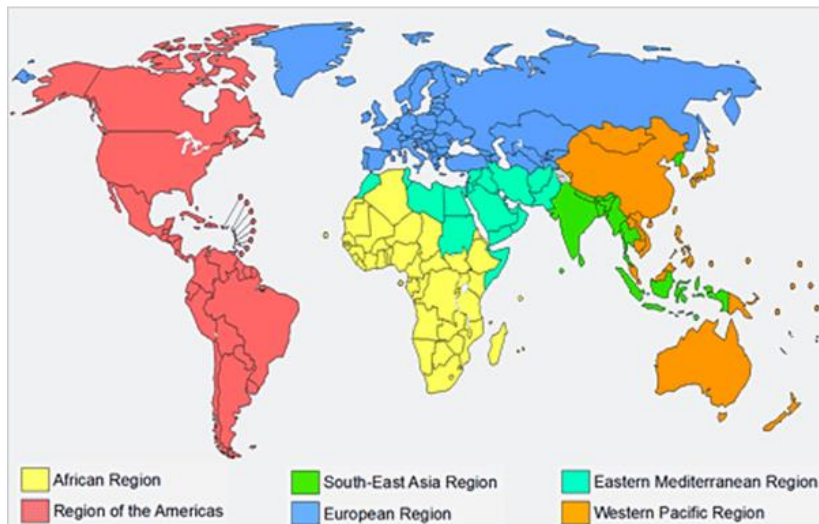
Global Surveillance Indicators: Year to Date Comparison

2021 & 2022: 01 January to 18 Oct. 2022*

| WHO region | AFP cases | | Wild poliovirus cases | | cVDPV cases | | Polio compatibles | | Pending final classification | | |
|------------------------------|---------------|---------------|-----------------------|-----------|-------------|------------|-------------------|-----------|------------------------------|---------------|--------------|
| | 2021 | 2022 | 2021 | 2022 | 2021 | 2022 | 2021 | 2022 | Total | | >90 days |
| | | | | | | | | | 2021 | 2022 | 2022 |
| African | 18,497 | 24,041 | 0 | 7 | 297 | 284 | 40 | 19 | 2,586 | 3,160 | 1,232 |
| Central | 4,287 | 5,434 | 0 | 0 | 12 | 203 | 15 | 4 | 506 | 531 | 222 |
| South/East | 4,908 | 6,592 | 0 | 7 | 27 | 24 | 16 | 4 | 733 | 1,315 | 603 |
| West | 9,302 | 12,015 | 0 | 0 | 258 | 57 | 9 | 11 | 1,347 | 1,314 | 407 |
| American | 903 | 1,304 | 0 | 0 | 0 | 1 | 0 | 0 | 153 | 246 | 138 |
| Eastern Mediterranean | 16,777 | 22,417 | 2 | 22 | 55 | 154 | 4 | 1 | 1,699 | 2,117 | 327 |
| European | 806 | 1,023 | 0 | 0 | 33 | 1 | 2 | 0 | 250 | 308 | 110 |
| South East Asian | 19,882 | 26,085 | 0 | 0 | 0 | 0 | 4 | 1 | 3,316 | 3,553 | 1,504 |
| Western Pacific | 3,562 | 3,908 | 0 | 0 | 0 | 0 | 0 | 0 | 1,957 | 2,304 | 1,569 |
| Global | 60,427 | 78,778 | 2 | 29 | 385 | 440 | 50 | 21 | 9,961 | 11,688 | 4,880 |

¹cVDPV 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 2021 as of 19 Oct. 2021 and for 2022 as of 18 Sep. 2022