## **Poliovirus containment**

GUIDANCE TO MINIMIZE RISKS FOR FACILITIES COLLECTING, HANDLING OR STORING MATERIALS POTENTIALLY INFECTIOUS FOR POLIOVIRUSES, SECOND EDITION

# **WEB ANNEX A**

COUNTRY- AND AREA-SPECIFIC POLIOVIRUS DATA,
JUNE 2024 UPDATE



Poliovirus containment: guidance to minimize risks for facilities collecting, handling or storing materials potentially infectious for polioviruses, second edition. Web Annex A. Country- and area-specific poliovirus data, June 2024 update WHO/POLIO/24.02

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### **ABBREVIATIONS AND ACRONYMS**

AFP Acute flaccid paralysis

GAPIV Global Action Plan IV for Poliovirus Containment

nOPV Novel oral polio vaccine

nOPV2 Novel oral polio vaccine type 2

OPV Oral polio vaccine

bOPV Bivalent oral polio vaccine (containing attenuated Sabin poliovirus type 1 and type 3)

mOPV2 Monovalent oral polio vaccine type 2

OPV2 Oral polio vaccine type 2

tOPV Trivalent oral polio vaccine (containing attenuated Sabin poliovirus type 1, type 2 and

type 3)

SIA Supplementary immunization activity

VDPV Vaccine-derived poliovirus

cVDPV Circulating vaccine-derived poliovirus

cVDPV1 Circulating vaccine-derived poliovirus type 1 cVDPV2 Circulating vaccine-derived poliovirus type 2

WHO World Health Organization

WPV Wild poliovirus

WPV1 Wild poliovirus type 1 WPV2 Wild poliovirus type 2 WPV3 Wild poliovirus type 3

# COUNTRY- AND AREA-SPECIFIC POLIOVIRUS DATA, JUNE 2024 UPDATE

Facilities are encouraged to use Table A2.1 in this document in conjunction with *Poliovirus containment:* guidance to minimize risks for facilities collecting, handling or storing materials potentially infectious for polioviruses, second edition, to assess the risk of sample collections potentially infectious for poliovirus.

Identifying all laboratory samples at risk for containing poliovirus is essential for securing a polio-free world. The presence of poliovirus in a given country can only be ruled out with active acute flaccid paralysis (AFP) and environmental surveillance. The data and information shown in Table A2.1 were collected from multiple sources using the following algorithm for each country:

- The data were derived from national poliovirus reports and a systematic literature search in consultation with WHO regional offices. Resulting dates of reported indigenous wild poliovirus (WPV) circulation, and WPV outbreak and circulating vaccine-derived poliovirus (cVDPV) outbreak circulation were recorded in the table.
- If no dates were reported for a specific type of poliovirus in a given country, the date of the last reported clinically confirmed poliomyelitis case was used. Clinically confirmed cases were poliomyelitis cases diagnosed by medical doctors without virological confirmation, so the case may have been caused by any of the three types of WPV and no type can be excluded.
- If no dates were reported for a specific type of WPV in a given country and no clinically confirmed cases were reported, the date of the last reported case of that WPV type in the country's WHO region was used or the date national AFP surveillance began, whichever date was earliest.

Table A2.1 is regularly revised and updated.

WHO makes no warranties regarding the content, completeness or accuracy of the data and information, and shall not be held liable for any damages whatsoever resulting from their use or application. <sup>1</sup>

#### How to use this table

- 1. For a given stool, respiratory or concentrated sewage sample, determine the country of origin and date of collection. If this information is unknown, the sample should be destroyed or inactivated using a method known to inactivate poliovirus.
- 2. For each sample of known origin and date of collection, refer to the country of origin in the table. According to the date of collection, determine under which column the sample falls. If the sample falls under the column:
  - a. WPV/VDPV potentially infectious material dates,<sup>2</sup> the sample must be destroyed, inactivated or handled under full Global Action Plan for Poliovirus Containment (GAPIV<sup>3</sup>).
  - b. **OPV2/nOPV2/Sabin2 potentially infectious material dates**, the sample is considered oral polio vaccine type 2/novel oral polio vaccine type 2/Sabin2 (OPV2/nOPV2/Sabin2) potentially infectious material and may only be handled outside of GAPIV containment under the specific conditions outlined in this Guidance.

<sup>&</sup>lt;sup>1</sup> Please contact containment@who.int for any comments or questions.

<sup>&</sup>lt;sup>2</sup> This column includes the dates of indigenous WPV circulation, WPV outbreaks and cVDPV outbreaks.

<sup>&</sup>lt;sup>3</sup> WHO Global Action Plan for Poliovirus Containment: GAPIV (unedited version). Geneva: World Health Organization; 2022 (<a href="https://polioeradication.org/wp-content/uploads/2022/07/WHO-Global-Action-Plan-for-Poliovirus-Containment-GAPIV.pdf">https://polioeradication.org/wp-content/uploads/2022/07/WHO-Global-Action-Plan-for-Poliovirus-Containment-GAPIV.pdf</a>, accessed 4 June 2024).

#### Table A2.1: Important notes

**All dates:** Table dates include month and year of circulation for any given virus type. If the specific month of an end date was unknown, December is the default month.

**WPV/VDPV potentially infectious material column dates:** The dates for circulation of any of the three WPV types in each country are listed in this table.

The column's orange highlighting indicates that samples collected during these dates require immediate action. All WPV/cVDPV infectious or potentially infectious material must be destroyed, inactivated or handled/stored in containment as described in GAPIV, except in Afghanistan and Pakistan, where the containment of wild poliovirus type 1/circulating vaccine-derived poliovirus type 1 (WPV1/cVDPV1) is not required yet.<sup>4</sup>

The blue highlighting indicates that all samples collected from WPV1-endemic Afghanistan or Pakistan must be destroyed, inactivated or handled/stored in containment as described in GAPIV if retained in other countries.

The column under this heading lists the last known dates of 1) indigenous WPV; 2) outbreak WPV; and 3) cVDPV for any type. Indigenous circulation dates are listed as "until" a specified date, and samples collected on preceding dates, including the last indicated month, are WPV potentially infectious material unless they have been identified as poliovirus infectious.

WPV and cVDPV outbreaks include a start and end date and any samples collected during this time frame are considered WPV potentially infectious material. cVDPV outbreak dates are indicated in italics. Bold countries and dates indicate ongoing WPV or cVDPV outbreaks, or ongoing circulation at the time of publication. WPV or cVDPV outbreaks are declared closed when no WPV/cVDPV is isolated for more than 12 months. The table will then indicate, retroactively, the date of the last isolation. Dates of single cases of WPV importation, ambiguous vaccine-derived poliovirus cases and immunodeficiency-associated vaccine-derived poliovirus cases are not included in this table.

As of June 2024, WPV1 is still endemic in two countries: Afghanistan and Pakistan. WPV1 was imported into some countries in the WHO African Region between November 2021 and August 2022 but has not been detected since.

cVDPV1 is present in some countries/areas in the African Region and circulating vaccine-derived poliovirus type 2 (cVDPV2) is present in the WHO African and Eastern Mediterranean Regions. In response, supplementary immunization activities (SIAs) with monovalent oral polio vaccine type 2 (mOPV2), novel OPV2 (nOPV2), trivalent oral polio vaccine (tOPV) and/or inactivated polio vaccine are being organized in these areas, while bivalent oral polio vaccine (bOPV) is still used for routine immunization in all regions. Since the switch in 2016, approximately 2.37 billion doses of type-2-containing oral polio vaccine (OPV) – 690 million mOPV2 doses, 199 million tOPV doses and 1.482 billion nOPV2 doses – have thus far been released from the global OPV stockpile in Africa and other regions.<sup>5</sup>

**OPV2/nOPV2/Sabin2 potentially infectious material column dates**: This column's orange highlighting indicates that samples collected during these dates require immediate action. OPV2/nOPV2/Sabin2 potentially infectious material may be handled outside GAPIV containment only under the specific conditions outlined in this Guidance.

WHO vaccination databases and national reports were consulted to determine the dates of OPV2/nOPV2/Sabin2 circulation. The OPV2/nOPV2/Sabin2 potentially infectious material dates for a country or area generally start immediately following the last known dates of circulation of any

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<sup>&</sup>lt;sup>4</sup> Summary Report from the Twenty-fourth Meeting of the Global Commission for Certification of Poliomyelitis Eradication, Geneva, 22–23 November 2023. Geneva: World Health Organization; 2024 (<a href="https://polioeradication.org/wp-content/uploads/2024/05/Twenty-fourth-Meeting-of-the-Global-Commission-for-Certification-of-Poliomyelitis-Eradication.pdf">https://polioeradication.org/wp-content/uploads/2024/05/Twenty-fourth-Meeting-of-the-Global-Commission-for-Certification-of-Poliomyelitis-Eradication.pdf</a>, accessed 5 June 2024).

<sup>&</sup>lt;sup>5</sup> Internal WHO communication of reported doses as of June 2024

WPV/cVDPV. The year of tOPV introduction.<sup>6</sup> and month and year of last tOPV use.<sup>7</sup> are indicated for each country in the footnotes. To define the end dates of OPV2/nOPV2/Sabin2 circulation, three months were added to the last known use of tOPV/mOPV2/nOPV2 in each country or area. In the absence of evidence showing otherwise, samples collected after the dates listed in this table are not considered OPV2/nOPV2/Sabin2 potentially infectious material.

It must be emphasized that samples collected during dates of WPV/cVDPV circulation are considered WPV potentially infectious material, which presents a higher risk than OPV/novel oral polio vaccine (nOPV)/Sabin potentially infectious material.

This Web Annex A must be read in conjunction with *Poliovirus containment: guidance to minimize risks* for facilities collecting, handling or storing materials potentially infectious for polioviruses, second edition.

<sup>6</sup> The year of tOPV introduction is generally not known. For this reason, the table assumes that materials collected between the last listed WPV case and three months after the last use of tOPV, excluding periods with VDPVs, would fall under the category of OPV2/nOPV2/Sabin2 potentially infectious material.

<sup>&</sup>lt;sup>7</sup> In countries and areas where only the year is known, the month of last tOPV use was arbitrarily set as December.

Table A2.1. Country- and area-specific poliovirus circulation data, June 2024 update

No.	Country or area	WPV/VDPV potentially infectious     material dates     Types 1, 2 or 3     (Must contain now)	2. OPV2/nOPV2/Sabin2 potentially infectious material dates (Must mitigate now)
1.	Afghanistan <sup>1</sup> Endemic <i>(1)</i>	If retained in other countries, all f sewage samples originating from Af infectious materials and must be dest	<ul> <li>May 2010</li> <li>Apr 2013 – Jul 2016</li> <li>Aug 2021 – Mar 2022<sup>2</sup></li> <li>aecal, respiratory and concentrated ghanistan are WPV/cVDPV potentially royed, inactivated or handled/stored in lescribed in GAPIV.</li> </ul>
2.	Albania <sup>1</sup>	Until Nov 1996 (4)	Dec 1996 – Jul 2016
3.	Algeria <sup>1</sup>	<ul> <li>Until Dec 1996<sup>3</sup> (6, 7)</li> <li>Apr 2022 – ongoing (1)</li> </ul>	Jan 1997 – Jul 2016
Amer	rican Samoa: see under the United States	of America	
4.	Andorra <sup>4</sup>	Until Dec 1959 <sup>3</sup> (8)	Jan 1960 – Mar 2005 <sup>5</sup>
5.	Angola <sup>1</sup>	<ul> <li>Until Sep 2001 (1, 9, 10)</li> <li>Apr 2005 – Jul 2011 (1)</li> <li>Mar 2008 – Nov 2008 (1)</li> <li>Apr 2019 – Feb 2020 (1)</li> <li>Dec 2023 – ongoing (1)</li> </ul>	<ul> <li>Jun 1999 – Feb 2008</li> <li>Dec 2008 – Jul 2016</li> <li>Mar 2020 – Feb 2021<sup>6</sup></li> </ul>
Angu	illa: see under the United Kingdom of Gro		
6.	Antigua and Barbuda <sup>1</sup>	Until Dec 1965 <sup>3</sup> (11)	Jan 1966 – Jul 2016
7.	Argentina <sup>1</sup>	Until Dec 1984 (11)	Jan 1985 – Jul 2016
8.	Armenia <sup>1</sup>	Until Jun 1995 (5, 8)	Jul 1995 – Jul 2016
9.	Australia <sup>7</sup>	Until Dec 1972 <sup>3</sup> (12)	Jan 1973 – Jun 2006
10.	Austria <sup>8</sup>	Until Dec 1980 <sup>3</sup> (8)	Jan 1981 – Nov 2001
11.	Azerbaijan <sup>1</sup>	Until Oct 1995 (5)	Nov 1995 – Jul 2016
12.	Bahamas <sup>1</sup>	Until Dec 1978 <sup>3</sup> (11)	Jan 1979 – Jul 2016

<sup>&</sup>lt;sup>1</sup> Last use of tOPV: Apr 2016

 $<sup>^2</sup>$  tOPV SIAs: Nov 2021 – Dec 2021. Aug 2021 – Oct 2021 predates tOPV use but enhanced mitigations are recommended to minimize poliovirus risk

<sup>&</sup>lt;sup>3</sup> Last clinically confirmed polio case; poliovirus type unknown

<sup>&</sup>lt;sup>4</sup> Estimated last use of tOPV: Dec 2004

<sup>&</sup>lt;sup>5</sup> 1960 predates the introduction of OPV2 in 1961 but enhanced mitigations are recommended to minimize poliovirus risk

<sup>&</sup>lt;sup>6</sup> mOPV2 SIAs: Jun 2019 – Nov 2020

<sup>&</sup>lt;sup>7</sup> Estimated last use of tOPV: Mar 2006

<sup>&</sup>lt;sup>8</sup> Estimated last use of tOPV: Aug 2001

No.	Country or area	1. WPV/VDPV potentially infectious material dates Types 1, 2 or 3 (Must contain now)	OPV2/nOPV2/Sabin2     potentially infectious material dates     (Must mitigate now)	
13.	Bahrain <sup>1</sup>	Until Dec 1993 <i>(13)</i>	Jan 1994 – Jul 2016	
14.	Bangladesh <sup>1</sup>	<ul> <li>Until Oct 2010<sup>9</sup> (15, 17)</li> <li>Jan 2006 – Dec 2006 (1, 16)</li> </ul>	Nov 2010 − Dec 2005     Jan 2007 − Jul 2016	
15.	Barbados <sup>1</sup>	Until Dec 1967 <i>(11)</i>	Jan 1968 – Jul 2016	
16.	Belarus¹	Until Dec 1964 <sup>3</sup> (8)	Jan 1965 – Jul 2016	
17.	Belgium <sup>10</sup>	Until Dec 1979 <sup>3</sup> (8)	Jan 1980 – Apr 2001	
18.	Belize <sup>1</sup>	Until Dec 1981 <sup>3</sup> (11)	Jan 1982 – Jul 2016	
19.	Benin <sup>1</sup>	<ul> <li>Until Dec 2000³ (7, 15)</li> <li>Nov 2003 – Jun 2004 (1)</li> <li>Apr 2008 – Apr 2009 (1)</li> <li>Jun 2019 – ongoing (1)</li> </ul>	<ul> <li>Jan 2001 – Oct 2003</li> <li>Jul 2004 – Mar 2008</li> <li>May 2009 – Jul 2016</li> </ul>	
Berm	uda: see under the United Kingdom of G	reat Britain and Northern Ireland		
20.	Bhutan <sup>1</sup>	Until Dec 1986 <sup>3</sup> (18)	Jan 1987 – Jul 2016	
21.	Bolivia (Plurinational State of) <sup>1</sup>	Until Dec 1989 <i>(11)</i>	Jan 1990 – Jul 2016	
22.	Bosnia and Herzegovina <sup>1</sup>	Until Dec 1974 <sup>3</sup> (8)	Jan 1975 – Jul 2016	
23.	Botswana <sup>1</sup>	<ul> <li>Until Dec 1989<sup>3</sup> (19)</li> <li>Oct 2022 – ongoing (1)</li> </ul>	Jan 1990 – Jul 2016	
24.	Brazil <sup>1</sup>	Until Dec 1989 <i>(11)</i>	Jan 1990 – Jul 2016	
Britis	h Virgin Islands: see under the United Kir	ngdom of Great Britain and Northern Irela	and	
25.	Brunei Darussalam <sup>11</sup>	Until Dec 1978 <sup>3</sup> (20)	Jan 1979 – Dec 2012	
26.	Bulgaria <sup>12</sup>	<ul> <li>Until May 1991 (5, 8)</li> <li>Mar 2001 – May 2001 (21)</li> </ul>	Apr 1991 – Sep 2007	
27.	Burkina Faso <sup>1</sup>	<ul> <li>Until Dec 1984<sup>3</sup> (9)</li> <li>Sep 2002 – Sep 2004 (1)</li> <li>Jun 2008 – Oct 2009 (1)</li> <li>Nov 2019 – Dec 2021 (1)</li> <li>May 2023 – ongoing (1)</li> </ul>	<ul> <li>Jan 1985 – Aug 2002</li> <li>Oct 2004 – May 2008</li> <li>Nov 2009 – Jul 2016</li> <li>Jan 2022 – Apr 2023<sup>13</sup></li> </ul>	
Burm	Burma: see Myanmar			

<sup>&</sup>lt;sup>9</sup> Year of the last WPV3 case in the South-East Asia Region

<sup>&</sup>lt;sup>10</sup> Estimated last use of tOPV: Dec 2003

<sup>&</sup>lt;sup>11</sup> Estimated last use of tOPV: Sep 2012

<sup>&</sup>lt;sup>12</sup> Estimated last use of tOPV: Jun 2007

<sup>&</sup>lt;sup>13</sup> nOPV2 SIAs: Nov 2022; Jul 2023 – Sep 2023. Jan 2022 – Oct 2022 and Mar 2023 – Apr 2023 predate nOPV2 use but enhanced mitigations are recommended to minimize poliovirus risk

No.	Country or area	1. WPV/VDPV potentially infectious material dates Types 1, 2 or 3 (Must contain now)	OPV2/nOPV2/Sabin2     potentially infectious material dates     (Must mitigate now)
28.	Burundi <sup>1</sup>	<ul> <li>Until Dec 1984<sup>3</sup> (9)</li> <li>Sep 2009 (1)</li> <li>Nov 2022 – Jun 2023 (1)</li> </ul>	<ul> <li>Jan 1985 – Aug 2009</li> <li>Oct 2009 – Jul 2016</li> <li>Jul 2023 – Jan 2024<sup>14</sup></li> </ul>
29.	Cabo Verde <sup>1</sup>	<ul> <li>Until Dec 1984<sup>3</sup> (9)</li> <li>Aug 2000 – Oct 2000 (22)</li> </ul>	<ul><li> Jan 1985 – Jul 2000</li><li> Nov 2000 – Jul 2016</li></ul>
30.	Cambodia <sup>1</sup>	Until Mar 1997 <i>(23)</i>	Jan 1994 – Jul 2016
31.	Cameroon <sup>1</sup>	<ul> <li>Until Dec 1999 (9, 24)</li> <li>Oct 2003 – Dec 2006 (1)</li> <li>Jul 2009 – Oct 2009 (1)</li> <li>May 2013 – Aug 2013 (1)</li> <li>Oct 2013 – Jul 2014 (1)</li> <li>Apr 2019 – ongoing (1)</li> </ul>	<ul> <li>Jan 2000 – Sep 2003</li> <li>Jan 2007 – Jun 2009</li> <li>Nov 2009 – Apr 2013</li> <li>Sep 2013</li> <li>Aug 2014 – Apr 2017<sup>15</sup></li> </ul>
32.	Canada <sup>16</sup>	<ul> <li>Until Dec 1977 (11)</li> <li>Jul 1978 – Aug 1978 (25)</li> <li>Jan 1993 – Jun 1993 (26)</li> <li>Aug 2022<sup>17</sup> (1)</li> </ul>	<ul> <li>Jan 1965 – Dec 1992</li> <li>Jul 1993 – Mar 1997</li> </ul>
Caym	nan Islands: see under the United Kingdoi	m of Great Britain and Northern Ireland	
33.	Central African Republic <sup>1</sup>	<ul> <li>Until Jul 2000 (7, 9, 15)</li> <li>Dec 2003 – Nov 2004 (1)</li> <li>Apr 2008 – Dec 2008 (1)</li> <li>Apr 2009 – Aug 2009 (1)</li> <li>Sep 2011 – Dec 2011 (1)</li> <li>May 2019 – ongoing (1)</li> </ul>	<ul> <li>Aug 2000 – Nov 2003</li> <li>Dec 2004 – Mar 2008</li> <li>Jan 2009 – Mar 2009</li> <li>Sep 2009 – Aug 2011</li> <li>Jan 2012 – Jul 2016</li> </ul>
34.	Chad <sup>1</sup>	<ul> <li>Until Dec 2000 (9, 15, 24)</li> <li>Aug 2003 – Dec 2005 (1)</li> <li>Nov 2006 – May 2013 (1)</li> <li>Aug 2019 – ongoing (1)</li> </ul>	<ul> <li>Jan 2001 – Jul 2003</li> <li>Jan 2006 – Oct 2006</li> <li>Jun 2013 – Jul 2019<sup>18</sup></li> </ul>
35.	Chile <sup>1</sup>	Until Dec 1975 (11)	Jan 1976 – Jul 2016
36.	China <sup>1</sup>	<ul> <li>Until Sep 1994 (12, 27, 29)</li> <li>Jul 2011 – Oct 2011 (28)</li> <li>Jan 2012 – Feb 2012 (1)</li> <li>Apr 2018 – Aug 2019 (1)</li> <li>Jul 2020 – Jan 2021 (1)</li> </ul>	<ul> <li>Oct 1994 – Jun 2011</li> <li>Nov 2011 – Dec 2011</li> <li>Mar 2012 – Jul 2016</li> </ul>
37.	China, Hong Kong SAR <sup>19</sup>	Until Dec 1983 <i>(12)</i>	Jan 1984 – Nov 2008
38.	China, Macao SAR <sup>20</sup>	Until Dec 1975 <sup>3</sup> (12)	Jan 1976 – Dec 2009
39.	Taiwan, China¹	Until Dec 1982 <sup>3</sup> (30)	Jan 1983 – Jul 2016

<sup>&</sup>lt;sup>14</sup> nOPV2 SIAs: Jun 2023 – Oct 2023

<sup>&</sup>lt;sup>15</sup> mOPV2 SIAs: Dec 2016 – Jan 2017. Aug 2016 – Nov 2016 predates mOPV2 use but enhanced mitigations are recommended to minimize poliovirus risk

<sup>&</sup>lt;sup>16</sup> Estimated last use of tOPV: Dec 1996

 $<sup>^{\</sup>rm 17}$  Importation detected in was tewater only, in the province of Quebec

 <sup>&</sup>lt;sup>18</sup> mOPV2 SIAs: Jul 2019 – Feb 2020
 <sup>19</sup> Estimated last use of tOPV: Aug 2008

<sup>&</sup>lt;sup>20</sup> Estimated last use of tOPV: Sep 2009

No.	Country or area	WPV/VDPV potentially infectious     material dates     Types 1, 2 or 3     (Must contain now)	2. OPV2/nOPV2/Sabin2 potentially infectious material dates (Must mitigate now)
40.	Colombia <sup>1</sup>	Until Jul 1991 <i>(11)</i>	Aug 1991 – Jul 2016
41.	Comoros <sup>1</sup>	Until Dec 1980 <sup>3</sup> (9)	Jan 1981 – Jul 2016
42.	Congo <sup>1</sup>	<ul> <li>Until Dec 2000 (9, 15)</li> <li>Sep 2010 – Jan 2011 (1)</li> <li>Sep 2020 – Jun 2021 (1)</li> <li>Oct 2022 (1)</li> <li>Apr 2023 – ongoing (1)</li> </ul>	<ul> <li>Jan 2001 – Aug 2010</li> <li>Feb 2011 – Jul 2016</li> <li>Jul 2021 – Nov 2021<sup>21</sup></li> </ul>
43.	Cook Islands <sup>1</sup>	Until Dec 1959 <sup>3</sup> (12)	Jan 1960 – Jul 2016 <sup>5</sup>
44.	Costa Rica <sup>22</sup>	Until Dec 1985 <sup>3</sup> (11)	Jan 1986 – Nov 2011
45.	Côte d'Ivoire <sup>1</sup>	<ul> <li>Until Dec 2000 (7, 15, 24)</li> <li>Dec 2003 – Oct 2004 (1)</li> <li>Dec 2008 – Aug 2009 (1)</li> <li>Jan 2011 –Jul 2011 (1)</li> <li>Sep 2019 – Dec 2020 (1)</li> <li>Feb 2022 – ongoing (1)</li> </ul>	<ul> <li>Jan 2000 – Dec 2010</li> <li>Aug 2011 – Jul 2016</li> <li>Jan 2021 – Mar 2021<sup>23</sup></li> </ul>
46.	Croatia <sup>24</sup>	Until Jun 1990 (5)	Jul 1991 – Mar 2008
47.	Cuba <sup>1</sup>	Until May 1962 (11)	Jun 1962 – Jul 2016
48.	Cyprus <sup>24</sup>	Until Jul 1995 <i>(5)</i>	Aug 1995 – Mar 2008
49.	Czechia <sup>25</sup>	Until Dec 1960 <sup>3</sup> (8)	Jan 1961 – Mar 2007
50.	Democratic People's Republic of Korea <sup>1</sup>	Until Dec 1996 <sup>3</sup> (17)	Jan 1997 – Jul 2016
51.	Democratic Republic of the Congo <sup>1</sup>	<ul> <li>Until Dec 2000³ (31)</li> <li>Jan 2005 – Aug 2008 (1, 32)</li> <li>Oct 2008 – Jun 2009 (1)</li> <li>Feb 2010 – Apr 2012 (1)</li> <li>Feb 2017 – ongoing (1)</li> </ul>	<ul> <li>Jan 2001 – Dec 2004</li> <li>Sep 2008</li> <li>Jul 2009 – Jan 2010</li> <li>May 2012 – Jan 2017<sup>26</sup></li> </ul>
52.	Denmark <sup>27</sup>	Until Dec 1976 (8)	Jan 1977 – Oct 2004
53.	Djibouti <sup>1</sup>	<ul> <li>Until Dec 1999³ (33)</li> <li>Sep 2021 – May 2022 (1)</li> </ul>	<ul> <li>Jan 2000 – Jul 2016</li> <li>Jan 2021 – Apr 2021</li> <li>Jun 2022 – Mar 2023<sup>28</sup></li> </ul>
54.	Dominica <sup>1</sup>	Until Dec 1980 <sup>3</sup> (11)	Jan 1981 – Jul 2016

<sup>-</sup>

<sup>&</sup>lt;sup>21</sup> mOPV2 SIA: May 2021. nOPV2 SIA: Aug 2021

<sup>&</sup>lt;sup>22</sup> Estimated last use of tOPV: Aug 2011

<sup>&</sup>lt;sup>23</sup> mOPV2 SIAs: Sep 2020 – Dec 2020

<sup>&</sup>lt;sup>24</sup> Estimated last use of tOPV: Dec 2007

<sup>&</sup>lt;sup>25</sup> Estimated last use of tOPV: Dec 2006

<sup>&</sup>lt;sup>26</sup> Aug 2016 – Jan 2017 predates mOPV2 use but enhanced mitigations are recommended to minimize poliovirus risk

<sup>&</sup>lt;sup>27</sup> Estimated last use of tOPV: Jul 2004

<sup>&</sup>lt;sup>28</sup> nOPV2 SIAs: Feb 2022 – Mar 2022; Oct 2022 – Dec 2022. Jun 2022 – Sep 2022 predates nOPV2 use but enhanced mitigations are recommended to minimize poliovirus risk

No.	Country or area	1. WPV/VDPV potentially infectious material dates Types 1, 2 or 3 (Must contain now)	2. OPV2/nOPV2/Sabin2 potentially infectious material dates (Must mitigate now)
55.	Dominican Republic <sup>1</sup>	<ul> <li>Until Dec 1985³ (11)</li> <li>Jul 2000 – Jan 2001 (34)</li> </ul>	<ul><li>Jan 1986 – Jun 2000</li><li>Feb 2001 – Jul 2016</li></ul>
56.	Ecuador <sup>1</sup>	Until Dec 1990 <sup>3</sup> (11)	Jan 1991 – Jul 2016
57.	Egypt <sup>29</sup>	<ul> <li>Until May 2004 (3)</li> <li>Sep 2020 – ongoing (1)</li> </ul>	Jun 2004 –Aug 2016
58.	El Salvador¹	Until Dec 1989 <sup>3</sup> (11)	Jan 1990 – Jul 2016
59.	Equatorial Guinea <sup>1</sup>	<ul> <li>Until Dec 1979<sup>3</sup> (9)</li> <li>Jan 2014 – May 2014 (1)</li> </ul>	<ul><li>Jan 1980 – Dec 2013</li><li>Jun 2014 – Jul 2016</li></ul>
60.	Eritrea <sup>1</sup>	<ul> <li>Until Dec 1995<sup>3</sup> (35)</li> <li>Sep 2021 – Mar 2022 (1)</li> </ul>	Jan 1996 – Jul 2016
61.	Estonia <sup>24</sup>	Until Dec 1961 <sup>3</sup> (8)	Jan 1962 – Mar 2008
62.	Eswatini <sup>1</sup>	Until Dec 1989 <sup>3</sup> (36)	Jan 1990 – Jul 2016
63.	Ethiopia <sup>30</sup>	<ul> <li>Until Jan 2001 (9, 15)</li> <li>Dec 2004 – Nov 2006 (1)</li> <li>Mar 2008 – Apr 2008 (1)</li> <li>Jan 2010 – May 2010 (1)</li> <li>Jul 2013 – Jan 2014 (1)</li> <li>May 2019 – Apr 2022 (1)</li> <li>Nov 2023 – ongoing (1)</li> </ul>	<ul> <li>Feb 2001 – Nov 2004</li> <li>Dec 2006 – Feb 2008</li> <li>May 2008 – Dec 2009</li> <li>Jun 2010 – Jun 2013</li> <li>Feb 2014 – Jul 2016</li> <li>Jul 2018 – Apr 2019</li> <li>May 2022 – Dec 2022<sup>31</sup></li> </ul>
64.	Fiji <sup>1</sup>	Until Dec 1958 <sup>3</sup> (12)	Jan 1959 – Jul 2016. <sup>32</sup>
65.	Finland <sup>33</sup>	<ul> <li>Until Dec 1964<sup>3</sup> (5, 37)</li> <li>Aug 1984 – Jan 1985 (37)</li> </ul>	Feb 1985 – Jun 1985
66.	France <sup>34</sup>	Until Jun 1989 (5, 8)	Jul 1989 – Sep 1999
67.	French Guiana <sup>35</sup>	Until Dec 1983 <sup>3</sup> (9)	Jan 1984 – Mar 1991
68.	French Polynesia. <sup>36</sup>	Until Dec 1982 <sup>3</sup> (12)	Jan 1983 – Dec 2005
69.	Guadeloupe <sup>1</sup>	Until Dec 1970 <sup>3</sup> (14)	Jan 1971 – Jul 2016
70.	Martinique <sup>35</sup>	Until Dec 1975 <sup>3</sup> (38)	Jan 1976 – Mar 1991
71.	New Caledonia <sup>37</sup>	Until Dec 1982 <sup>3</sup> (12)	Jan 1983 – Jan 1995

<sup>&</sup>lt;sup>29</sup> Estimated last use of tOPV: May 2016

<sup>&</sup>lt;sup>30</sup> Last use of tOPV: Apr 2016; mOPV2 SIAs related to ongoing cVDPV2 outbreaks in neighbouring countries: Jul 2018 – Sep 2018

<sup>&</sup>lt;sup>31</sup> mOPV2 SIAs: Jul 2018 – Sep 2018. nOPV2 SIAs: Apr 2022; Sep 2022. Jan 2019 – Apr 2019 predates mOPV2 use and Aug 2022 predates nOPV2 use but enhanced mitigations are recommended to minimize poliovirus risk

<sup>32 1959</sup> predates the introduction of OPV2 in 1961 but enhanced mitigations are recommended to minimize poliovirus risk

<sup>&</sup>lt;sup>33</sup> Estimated only use of tOPV: Feb 1985 – Mar 1985

<sup>&</sup>lt;sup>34</sup> Estimated last use of tOPV: Jun 1999

<sup>35</sup> Estimated last use of tOPV: Dec 1990

<sup>&</sup>lt;sup>36</sup> Estimated last use of tOPV: Sep 2005

<sup>&</sup>lt;sup>37</sup> Estimated last use of tOPV: Oct 1994

No.	Country or area	1. WPV/VDPV potentially infectious material dates Types 1, 2 or 3 (Must contain now)	2. OPV2/nOPV2/Sabin2 potentially infectious material dates (Must mitigate now)
72.	La Réunion <sup>35</sup>	Until Dec 1979 <sup>3</sup> (14)	Jan 1980 – Mar 1991
73.	Wallis and Futuna <sup>36</sup>	Until Dec 1972 <sup>3</sup> (12)	Jan 1973 – Dec 2005
Frenc	h Guiana and French Polynesia: see unde	er France	
74.	Gabon <sup>1</sup>	Until Dec 1984 <sup>3</sup> (9)	Jan 1985 – Jul 2016
75.	Gambia <sup>1</sup>	<ul> <li>Until Dec 1997 (9, 39)</li> <li>Jun 2021 – Sep 2021 (1)</li> </ul>	<ul> <li>Jan 1981 – Jul 2016</li> <li>Oct 2021 – Jun 2022<sup>38</sup></li> </ul>
76.	Georgia <sup>1</sup>	Until Apr 1991 (5, 40)	May 1991 – Jul 2016
77.	Germany <sup>39</sup>	Until May 1990 <i>(5)</i>	Jun 1990 – Mar 1998
78.	Ghana <sup>1</sup>	<ul> <li>Until Dec 2000 (9, 24)</li> <li>Feb 2003 – Sep 2003 (1)</li> <li>Sep 2008 – Nov 2008 (1)</li> <li>Jun 2019 – Sep 2020 (1)</li> <li>Apr 2022 – Oct 2022 (1)</li> </ul>	<ul> <li>Jan 1985 – Jul 2016</li> <li>Oct 2020 – Jan 2021</li> <li>Nov 2022 – Mar 2023<sup>40</sup></li> </ul>
79.	Greece <sup>4</sup>	Until Sep 1996 (5, 41)	Oct 1996 – Mar 2005
80.	Grenada <sup>1</sup>	Until Dec 1955 <sup>3</sup> (11)	Jan 1956 – Jul 2016 <sup>41</sup>
	eloupe: see under France n: see under the United States of Americo	ז	
81.	Guatemala <sup>1</sup>	Until Dec 1990 (11)	Jan 1991 – Jul 2016
82.	Guinea <sup>1</sup>	<ul> <li>Until Dec 1999 (9, 24)</li> <li>Jun 2004 – Dec 2004 (1)</li> <li>Apr 2009 – Nov 2009 (1)</li> <li>May 2011 – Aug 2011 (1)</li> <li>Aug 2014 – Dec 2015 (1)</li> <li>Mar 2020 – Aug 2021 (1)</li> <li>Jun 2023 – ongoing (1)</li> </ul>	<ul> <li>Jan 2000 – May 2004</li> <li>Jan 2005 – Mar 2009</li> <li>Dec 2009 - Apr 2011</li> <li>Sep 2011 – Jul 2014</li> <li>Jan 2016 – Jul 2016</li> <li>Sep 2021<sup>42</sup></li> </ul>
83.	Guinea-Bissau <sup>1</sup>	<ul> <li>Until Dec 1999 (9, 42)</li> <li>Jun 2021 – Jul 2021 (1)</li> </ul>	<ul> <li>Jan 2000 – Jul 2016</li> <li>Apr 2022 – Oct 2022<sup>43</sup></li> </ul>
84.	Guyana <sup>1</sup>	Until Dec 1975 <sup>3</sup> (14)	Jan 1976 – Jul 2016
85.	Haiti <sup>1</sup>	<ul> <li>Until Dec 1989<sup>3</sup> (11)</li> <li>Aug 2000 – Jul 2001 (34)</li> </ul>	Jan 1990 – Jul 2016
86.	Honduras <sup>1</sup>	Until Dec 1990 (11)	Jan 1991 – Jul 2016

<sup>&</sup>lt;sup>38</sup> nOPV2 SIAs: Nov 2021 – Mar 2022. Oct 2021 predates nOPV2 use but enhanced mitigations are recommended to minimize poliovirus risk

<sup>&</sup>lt;sup>39</sup> Estimated last use of tOPV: Dec 1997

 $<sup>^{40}</sup>$  mOPV2 SIAs: Sep 2019 – Mar 2020; Sep 2020 – Oct 2020. nOPV2 SIAs: Sep 2022 – Dec 2022

<sup>&</sup>lt;sup>41</sup> 1956 predates the introduction of OPV2 in 1961 but enhanced mitigations are recommended to minimize poliovirus risk

<sup>&</sup>lt;sup>42</sup> mOPV2 SIAs: Oct 2020 – Jun 2021

<sup>&</sup>lt;sup>43</sup> nOPV2 SIAs: Apr 2022 – Jul 2022

No.	Country or area	WPV/VDPV potentially infectious     material dates     Types 1, 2 or 3     (Must contain now)	2. OPV2/nOPV2/Sabin2 potentially infectious material dates (Must mitigate now)	
Hong	Kong SAR, China: see under China			
87.	Hungary <sup>25</sup>	Until Mar 1969 <i>(5, 8)</i>	Apr 1969 – Mar 2007	
88.	Iceland	Until Dec 1960 (5, 8)	Never used	
89.	India <sup>44</sup>	Until Jan 2011 (1, 16)	<ul> <li>Nov 2010 – Mar 2017</li> <li>Jan 2018 – Dec 2018<sup>45</sup></li> </ul>	
90.	Indonesia <sup>1</sup>	<ul> <li>Until Dec 1995³ (17)</li> <li>Jan 2004 – Dec 2006 (1, 16, 32)</li> <li>Nov 2018 – Feb 2019 (1)</li> <li>Oct 2022 – ongoing (1)</li> </ul>	Jan 1996 – Jul 2016	
91.	Iran <sup>1</sup> (Islamic Republic of)	<ul> <li>Until May 1998 (3)</li> <li>Jan 2000 – Dec 2000 (43)</li> <li>Apr 2019 – May 2019 (1)</li> <li>Sep 2020 – Feb 2021 (1)</li> </ul>	<ul> <li>Jun 1998 – Dec 1999</li> <li>Jan 2001 – Jul 2016</li> <li>Mar 2021 – Jun 2021<sup>46</sup></li> </ul>	
92.	Iraq <sup>1</sup>	<ul> <li>Until Jan 2000 (44)</li> <li>Feb 2014 – Apr 2014 (1)</li> </ul>	<ul><li>Feb 2000 – Jan 2014</li><li>May 2014 – Jul 2016</li></ul>	
93.	Ireland <sup>47</sup>	Until Dec 1982 (5, 8)	Jan 1983 – Sep 2001	
94.	Israel <sup>10</sup>	<ul> <li>Until Oct 1988 (5)</li> <li>May 2013 – Apr 2014 (5)</li> <li>Oct 2020 – Mar 2022 (1)</li> <li>Jun 2022 – Feb 2023 (1)</li> </ul>	Nov 1988 – Mar 2004	
95.	Italy <sup>48</sup>	Until Mar 1982 <i>(5, 8)</i>	Apr 1982 – Oct 2003	
Ivory	Ivory Coast: see Côte d'Ivoire			
96.	Jamaica <sup>1</sup>	Until Dec 1982 <sup>3</sup> (11)	Jan 1984 – Jul 2016	
97.	Japan <sup>12</sup>	Until Dec 1993 <i>(12)</i>	Jan 1994 – Dec 2012	
98.	Jordan <sup>1</sup>	Until Dec 1994 <sup>3</sup> (3, 46)	Jan 1995 – Jul 2016	
99.	Kazakhstan <sup>1</sup>	Until Dec 1995 <sup>3</sup> (47)	Jan 1996 – Jul 2016	

 $<sup>^{44}</sup>$  Use of tOPV continued post-switch until Dec 2016; OPV2 contamination of bOPV discovered in October 2018

<sup>&</sup>lt;sup>45</sup> Estimated dates of OPV2-contaminated bOPV use

<sup>&</sup>lt;sup>46</sup> mOPV2 SIAs: Feb 2021 – Mar 2021

 $<sup>^{\</sup>rm 47}$  Estimated last use of tOPV: Jun 2001

<sup>&</sup>lt;sup>48</sup> Estimated last use of tOPV: Jul 2003

No.	Country or area  Kenya <sup>1</sup>	1. WPV/VDPV potentially infectious material dates	2. OPV2/nOPV2/Sabin2 potentially infectious material dates (Must mitigate now)  • Jan 1996 – Jul 2006 • Dec 2006 – Jan 2009 • Aug 2009 – Apr 2012 • Sep 2012 – Mar 2013 • Aug 2013 – July 2016 • Apr 2018 – Nov 2018 <sup>49</sup> • Feb 2021 – Oct 2021 <sup>50</sup>	
101.	Kiribati <sup>1</sup>	Until Dec 1997 <sup>51</sup> (12)	Jan 1998 – Jul 2016	
Kored	ı: see Democratic People's Republic of Ko	orea and Republic of Korea		
102.	Kuwait <sup>1</sup>	Until Dec 1985 <sup>3</sup> (48)	Jan 1986 – Jul 2016	
103.	Kyrgyzstan <sup>1</sup>	Until Dec 1993 (5, 8)	Jan 1994 – Jul 2016	
104.	Lao People's Democratic Republic <sup>1</sup>	<ul> <li>Until Dec 1996 (12)</li> <li>Sep 2015 – Jan 2016 (1)</li> </ul>	Jan 1994 – Jul 2016	
105.	Latvia <sup>25</sup>	Until Dec 1962 <sup>3</sup> (8)	Jan 1963 – Mar 2007	
106.	Lebanon <sup>1</sup>	Until Dec 1994 <sup>3</sup> (3, 46)	Jan 1995 – Jul 2016	
107.	Lesotho <sup>1</sup>	Until Dec 1998 <sup>3</sup> (49)	Jan 1999 – Jul 2016	
108.	Liberia <sup>1</sup>	<ul> <li>Until Dec 1999³ (24)</li> <li>Apr 2009 – Sep 2010 (1)</li> <li>Aug 2020 – May 2021 (1)</li> </ul>	<ul> <li>Jan 2000 – Jul 2016</li> <li>Jun 2021 – Aug 2021<sup>52</sup></li> </ul>	
109.	Libya <sup>1</sup>	Until Dec 1991 <sup>3</sup> (50)	Jan 1992 – Jul 2016	
110.	Lithuania <sup>53</sup>	Until Dec 1972 <sup>3</sup> (8)	Jan 1973 – Feb 2007	
111.	Luxembourg <sup>54</sup>	Until Dec 1963 <sup>3</sup> (8)	Jan 1964 – Mar 1999	
	Macao SAR, China: see under China Macedonia: see North Macedonia			
112.	Madagascar <sup>1</sup>	<ul> <li>Until Dec 1997 (19, 51)</li> <li>Oct 2001 – Apr 2002 (52)</li> <li>Apr 2005 – Sep 2005 (53)</li> <li>Sep 2014 (1)</li> <li>Apr 2015 – Aug 2015 (1)</li> <li>Sep 2020 – ongoing (1)</li> </ul>	<ul> <li>Jan 1998 – Sep 2001</li> <li>May 2002 – Mar 2005</li> <li>Oct 2005 – Aug 2014</li> <li>Oct 2014 – Mar 2015</li> <li>Sep 2015 – Jul 2016</li> </ul>	

<sup>&</sup>lt;sup>49</sup> mOPV2 SIAs: May 2018 – Aug 2018. Apr 2018 predates mOPV2 use but enhanced mitigations are recommended to minimize poliovirus risk

<sup>&</sup>lt;sup>50</sup> mOPV2 SIAs: May 2021 – Jul 2021. Feb 2021 – Apr 2021 predates mOPV2 use but enhanced mitigations are recommended to minimize poliovirus risk

<sup>&</sup>lt;sup>51</sup> Year of the last WPV1 case in the Western Pacific Region

<sup>&</sup>lt;sup>52</sup> nOPV2 SIAs: Mar 2021 – May 2021

<sup>53</sup> Estimated last use of tOPV: Nov 2006

<sup>&</sup>lt;sup>54</sup> Estimated last use of tOPV: Dec 1998

No.	Country or area	1. WPV/VDPV potentially infectious material dates Types 1, 2 or 3 (Must contain now)	2. OPV2/nOPV2/Sabin2 potentially infectious material dates (Must mitigate now)	
113.	Malawi <sup>1</sup>	<ul> <li>Until Dec 1991³ (19)</li> <li>Nov 2021</li> <li>Jul 2022 – Jan 2023 (1)</li> </ul>	Jan 1992 – Jul 2016	
114.	Malaysia <sup>55</sup>	<ul> <li>Until Dec 1986<sup>3</sup> (54)</li> <li>Apr 1992 (55)</li> <li>Jun 2019 – Mar 2020 (1)</li> </ul>	<ul> <li>Jan 1987 – Mar 2016</li> <li>Apr 2020 – Oct 2020<sup>56</sup></li> </ul>	
115.	Maldives <sup>1</sup>	Until Dec 1981 <sup>3</sup> (9, 16)	Jan 1982 – Jul 2016	
116.	<b>M</b> ali <sup>1</sup>	<ul> <li>Until Jan 1999<sup>3</sup> (7, 56)</li> <li>Apr 2004 – May 2005 (1)</li> <li>Aug 2008 – May 2010 (1)</li> <li>Sep 2010 – Jun 2011 (1)</li> <li>Feb 2020 – Dec 2020 (1)</li> <li>Sep 2022 – ongoing (1)</li> </ul>	<ul> <li>Feb 1999 – Mar 2004</li> <li>Jun 2005 – Jul 2008</li> <li>Jun 2010 – Aug 2010</li> <li>Jul 2011 – Jul 2016</li> <li>Jan 2021 – Jun 2021<sup>57</sup></li> </ul>	
117.	Malta <sup>58</sup>	Until Dec 1964 <sup>3</sup> (8, 57)	Jan 1965 – Dec 2010	
118.	Marshall Islands <sup>58</sup>	Until Dec 1976 <sup>3</sup> (12)	Jan 1977 – Dec 2010	
Marti	Martinique: see under France			
119.	Mauritania <sup>1</sup>	<ul> <li>Until Dec 1999³ (58)</li> <li>Oct 2009 – Apr 2010 (1)</li> <li>Jun 2021 – Dec 2021 (1)</li> <li>Sep 2023 – ongoing (1)</li> </ul>	<ul> <li>Jan 2000 – Sep 2009</li> <li>May 2010 – Jul 2016</li> <li>Jan 2022 – Mar 2021</li> <li>Jul 2022 – Oct 2022<sup>59</sup></li> </ul>	
120.	Mauritius <sup>1</sup>	Until Dec 1970 <sup>3</sup> (14)	Jan 1971 – Jul 2016	
121.	Mexico <sup>60</sup>	Until Dec 1990 (75)	Jan 1991 – May 2016	
122.	Micronesia <sup>61</sup> (Federated States of)	Until Dec 1979 <sup>3</sup> (12)	Jan 1980 – Dec 2013	
Mold	Moldova: See Republic of Moldova			
123.	Monaco <sup>34</sup>	Until Dec 1964 <sup>3</sup> (8)	Jan 1965 – Sep 1999	
124.	Mongolia <sup>1</sup>	Until Dec 1993 <sup>3</sup> (12)	Jan 1994 – Jul 2016	
125.	Montenegro <sup>55</sup>	Until Oct 1996 (5, 8)	Nov 1996 – Mar 2016	
Mont	Montserrat: see under the United Kingdom of Great Britain and Northern Ireland			

<sup>55</sup> Estimated last use of tOPV: Dec 2015

<sup>&</sup>lt;sup>56</sup> mOPV2 SIAs: Jun 2020 – Jul 2020. Apr 2020 – May 2020 predates mOPV2 use but enhanced mitigations are recommended to minimize poliovirus risk

<sup>&</sup>lt;sup>57</sup> mOPV2 SIAs: Sep 2020 – Mar 2021

<sup>&</sup>lt;sup>58</sup> Estimated last use of tOPV: Sep 2010

<sup>&</sup>lt;sup>59</sup> nOPV2 SIAs: Dec 2021; Jul 2022

<sup>&</sup>lt;sup>60</sup> Estimated last use of tOPV: Dec 2006; tOPV SIAs: Feb 2016

<sup>&</sup>lt;sup>61</sup> Estimated last use of tOPV: Sep 2013

No.	Country or area	WPV/VDPV potentially infectious     material dates     Types 1, 2 or 3     (Must contain now)	2. OPV2/nOPV2/Sabin2 potentially infectious material dates (Must mitigate now)
126.	Morocco <sup>1</sup>	Until Nov 1989 (3)	Dec 1990 – Jul 2016
127.	<b>M</b> ozambique <sup>1</sup>	<ul> <li>Until Dec 1993³ (19)</li> <li>Feb 2011 – Jun 2011 (1)</li> <li>Oct 2018 – Dec 2018 (1)</li> <li>Jul 2020</li> <li>Apr 2021 – ongoing (1)</li> </ul>	<ul> <li>Jan 1994 – Jan 2011</li> <li>Jul 2011 – Aug 2017<sup>62</sup></li> <li>Jan 2019 – Oct 2019<sup>63</sup></li> </ul>
128.	Myanmar <sup>1</sup>	<ul> <li>Until Dec 2000³ (16, 17, 59)</li> <li>Jan 2007 – Dec 2007 (1, 16)</li> <li>Apr 2015 – Oct 2015 (1, 16)</li> <li>May 2019 – Aug 2019 (1)</li> </ul>	<ul> <li>Jan 2001 – Dec 2006</li> <li>Jan 2008 – Mar 2015</li> <li>Nov 2015 – Jul 2016</li> </ul>
129.	Namibia <sup>1</sup>	<ul> <li>Until Dec 1995³ (19)</li> <li>May 2006 – Jun 2006 (1)</li> </ul>	<ul><li>Jan 1996 – Apr 2006</li><li>Jul 2006 – Jul 2016</li></ul>
130.	Nauru <sup>1</sup>	Until Dec 1939 <sup>3</sup> (12)	Jan 1940 – Jul 2016 <sup>64</sup>
131.	Nepal <sup>1</sup>	<ul> <li>Until Dec 2000³ (16, 59)</li> <li>Jan 2005 – Dec 2008 (1, 16)</li> <li>Jan 2010 – Dec 2010 (1, 16)</li> </ul>	<ul> <li>Jan 2001 – Dec 2004</li> <li>Jan 2009 – Dec 2009</li> <li>Jan 2011 – Jul 2016</li> </ul>
132.	Netherlands <sup>65</sup>	Until Aug 1993 (5, 8)	None
133.	Aruba <sup>1</sup>	Until Dec 1981 <sup>3</sup> (11)	Jan 1982 – Jul 2016
134.	Curaçao¹	Until Dec 1981 <sup>3</sup> (11)	Jan 1982 – Jul 2016
135.	Sint Maarten <sup>1</sup>	Until Dec 1968 <sup>3</sup> (11)	Jan 1969 – Jul 2016
New	Caledonia: see under France		
136.	New Zealand <sup>66</sup>	Until Dec 1962 <sup>3</sup> (61)	Jan 1963 – May 2002
137.	Nicaragua <sup>1</sup>	Until Dec 1981 <sup>3</sup> (11)	Jan 1982 – Jul 2016
138.	Niger <sup>1</sup>	<ul> <li>Until Nov 2012 (1)</li> <li>Jul 2018 – ongoing (1)</li> </ul>	Dec 2012 – Jun 2018 <sup>67</sup>
139.	Nigeria <sup>1</sup>	<ul> <li>Until Sep 2016 (1, 7)</li> <li>Feb 2010 – Nov 2016 (1)</li> <li>Jan 2018 – ongoing (1)</li> </ul>	Dec 2016 – Dec 2017 <sup>68</sup>
140.	Niue <sup>69</sup>	Until Dec 1959 <sup>3</sup> (12)	Jan 1960 – Dec 2004 <sup>5</sup>

<sup>-</sup>

 $<sup>^{62}</sup>$  mOPV2 SIAs: Feb 2017 – May 2017. Aug 2016 – Jan 2017 predates mOPV2 use but enhanced mitigations are recommended to minimize poliovirus risk

<sup>63</sup> mOPV2 SIAs: Jan 2019 – Jul 2019

<sup>&</sup>lt;sup>64</sup> 1940 predates the introduction of OPV2 in 1961 but enhanced mitigations are recommended to minimize poliovirus risk

<sup>65</sup> tOPV only used in SIA Sep 1992 – Feb 1993

<sup>&</sup>lt;sup>66</sup> Estimated last use of tOPV: Feb 2002

 $<sup>^{67}</sup>$  mOPV2 SIAs: Dec 2016 – Jan 2017. Aug 2016 – Nov 2016 and May 2017 – Jun 2018 predate mOPV2 use but enhanced mitigations are recommended to minimize poliovirus risk

<sup>&</sup>lt;sup>68</sup> mOPV2 SIAs: Dec 2016 – May 2017. Sep 2017 – Dec 2017 predates mOPV2/nOPV2 use but enhanced mitigations are recommended to minimize poliovirus risk

<sup>&</sup>lt;sup>69</sup> Estimated last use of tOPV: Sep 2004

No.	Country or area	WPV/VDPV potentially infectious     material dates     Types 1, 2 or 3     (Must contain now)	2. OPV2/nOPV2/Sabin2 potentially infectious material dates (Must mitigate now)	
141.	North Macedonia <sup>1</sup>	Until Feb 1987 <i>(5, 8)</i>	Mar 1987 – Jul 2016	
North	ern Mariana Islands: see under the Unit	ed States of America		
142.	Norway <sup>70</sup>	Until Dec 1969 (8, 62)	Jan 1970 – Mar 1980	
143.	occupied Palestinian territory, including east Jerusalem <sup>1</sup>	<ul> <li>Until Apr 2010 (3)</li> <li>Feb 2021 – Mar 2022 (1)</li> </ul>	May 2010 – Jul 2016	
144.	Oman <sup>1</sup>	Until Dec 1997 <sup>71</sup> (3)	Jan 1998 – Jul 2016	
145.	Pakistan <sup>1</sup> . Endemic (1)	sewage samples originating f potentially infectious materials an	<ul> <li>May 2012 – Jul 2012</li> <li>May 2017 – Jun 2017<sup>72</sup></li> <li>Sep 2021 – Feb 2022<sup>73</sup></li> <li>aecal, respiratory and concentrated rom Pakistan are WPV/cVDPV</li> <li>d must be destroyed, inactivated or ment as described in GAPIV.</li> </ul>	
146.	Palau <sup>74</sup>	Until Dec 1949 <sup>3</sup> (12)	Jan 1950 – Mar 2012 <sup>75</sup>	
147.	Panama <sup>1</sup>	Until Dec 1972 <sup>3</sup> (11)	Jan 1973 – Jul 2016	
148.	Papua New Guinea <sup>1</sup>	<ul> <li>Until Dec 1994³ (12)</li> <li>Apr 2018 – Nov 2018 (1)</li> </ul>	Jan 1995 – Jul 2016	
149.	Paraguay <sup>1</sup>	Until Dec 1985 <sup>3</sup> (11)	Jan 1986 – Jul 2016	
150.	Peru <sup>1</sup>	Until Aug 1991 <i>(11)</i>	Sep 1991 – Jul 2016	
151.	Philippines <sup>1</sup>	<ul> <li>Until May 1993 (12)</li> <li>Mar 2001 – Sep 2001 (63)</li> <li>Jun 2019 – Jan 2020 (1)</li> </ul>	<ul> <li>Jan 1994 – Feb 2001</li> <li>Oct 2001 – Jul 2016</li> <li>Feb 2020 – Dec 2020<sup>76</sup></li> </ul>	
Pitca	Pitcairn Islands: see under the United Kingdom of Great Britain and Northern Ireland			
152.	Poland <sup>1</sup>	Until Aug 1984 <i>(5, 8)</i>	Sep 1984 – Jul 2016	
153.	Portugal <sup>77</sup>	Until Dec 1986 (8)	Jan 1987 – Mar 2006	
154.	Puerto Rico <sup>1</sup>	Until Dec 1974 <sup>3</sup> (11)	Jan 1975 – Jul 2016	
155.	Qatar <sup>1</sup>	Until Dec 1997 <sup>71</sup> (3)	Jan 1998 – Jul 2016	

<sup>&</sup>lt;sup>70</sup> Estimated last use of tOPV: Dec 1980

 $<sup>^{71}</sup>$  Year of the last WPV2 case in the Eastern Mediterranean Region

<sup>&</sup>lt;sup>72</sup> mOPV2 SIA: Mar 2017

<sup>&</sup>lt;sup>73</sup> tOPV SIA: Sep 2021; mOPV2 SIAs: Oct 2021 – Nov 2021

<sup>&</sup>lt;sup>74</sup> Estimated last use of tOPV: Dec 2011

<sup>&</sup>lt;sup>75</sup> 1950 predates the introduction of OPV2 in 1961 but enhanced mitigations are recommended to minimize poliovirus risk

 $<sup>^{76}</sup>$  mOPV2 SIAs: Oct 2019 – Feb 2020; Jul 2020 – Sep 2020. Jun 2020 predates mOPV2 use but enhanced mitigations are recommended to minimize poliovirus risk

<sup>&</sup>lt;sup>77</sup> Estimated last use of tOPV: Dec 2005

No.	Country or area	1. WPV/VDPV potentially infectious material dates Types 1, 2 or 3 (Must contain now)	2. OPV2/nOPV2/Sabin2 potentially infectious material dates (Must mitigate now)	
156.	Republic of Korea <sup>77</sup>	Until Dec 1983 <sup>3</sup> (12)	Jan 1984 – Mar 2006	
157.	Republic of Moldova <sup>1</sup>	Until Jun 1991 <i>(5, 8)</i>	Jul 1992 – Jul 2016	
La Ré	La Réunion Island: see under France			
158.	Romania <sup>78</sup>	Until Jul 1992 <i>(5, 40)</i>	Aug 1992 – Jul 2009	
159.	Russian Federation <sup>1</sup>	<ul> <li>Until Dec 1995 (5, 8, 65)</li> <li>Apr 2010 – Oct 2010 (5)</li> </ul>	<ul><li>Jan 1983 – Mar 2010</li><li>Nov 2010 – Jul 2016</li></ul>	
160.	Rwanda <sup>1</sup>	Until Dec 1995 <sup>3</sup> (35)	Jan 1996 – Jul 2016	
Saint Helena: see under the United Kingdom of Great Britain and Northern Ireland				
161.	Saint Kitts and Nevis <sup>1</sup>	Until Dec 1969 <i>(11)</i>	Jan 1970 – Jul 2016	
162.	Saint Lucia <sup>1</sup>	Until Dec 1970 <sup>3</sup> (11)	Jan 1971 – Jul 2016	
163.	Saint Vincent and the Grenadines <sup>1</sup>	Until Dec 1977 (11)	Jan 1978 – Jul 2016	
164.	Samoa <sup>1</sup>	Until Dec 1989 <sup>3</sup> (12)	Jan 1990 – Jul 2016	
165.	San Marino <sup>48</sup>	Until Dec 1963 <sup>3</sup> (8)	Jan 1964 – Oct 2003	
166.	Sao Tome and Principe <sup>1</sup>	Until Dec 1983 <sup>3</sup> (9)	Jan 1984 – Jul 2016	
167.	Saudi Arabia <sup>1</sup>	Until Dec 1995 <sup>3</sup> (3, 50)	Jan 1996 – Jul 2016	
168.	Senegal <sup>1</sup>	<ul> <li>Until Dec 1999³ (42)</li> <li>Jan 2010 – Apr 2010 (1)</li> <li>Dec 2020 – Jan 2022 (1)</li> <li>Nov 2023 – ongoing (1)</li> </ul>	<ul> <li>Jan 2000 – Dec 2009</li> <li>May 2010 – Jul 2016</li> <li>Feb 2022 – Nov 2022<sup>79</sup></li> </ul>	
169.	Serbia <sup>1</sup>	Until Oct 1996 (5, 47)	Nov 1996 – Jul 2016	
170.	Seychelles <sup>1</sup>	Until Dec 1965 <sup>3</sup> (14)	Jan 1966 – Jul 2016	
171.	Sierra Leone <sup>1</sup>	<ul> <li>Until Dec 2000³ (15)</li> <li>Jul 2009 – Feb 2010 (1)</li> <li>Oct 2020 – Jun 2021 (1)</li> </ul>	<ul> <li>Jan 2001 – Jun 2009</li> <li>Mar 2010 – Jul 2016</li> <li>Jul 2021 – Nov 2021<sup>80</sup></li> </ul>	
172.	Singapore <sup>1</sup>	Until May 1978 <i>(12, 66, 67)</i>	Jun 1978 – Jul 2016	
173.	Slovakia <sup>81</sup>	Until Mar 1960 <i>(5, 8)</i>	Apr 1960 – Mar 2005	

 $<sup>^{78}</sup>$  Estimated last use of tOPV: Apr 2009  $\,$ 

 $<sup>^{79}</sup>$  nOPV2 SIAs: Dec 2021 – Feb 2022; Aug 2022. Jun 2022 – Jul 2022 predates mOPV2 use but enhanced mitigations are recommended to minimize poliovirus risk

<sup>&</sup>lt;sup>80</sup> nOPV2 SIAs: May 2021 – Aug 2021

<sup>&</sup>lt;sup>81</sup> Estimated last use of tOPV: Feb 2005

No.	Country or area	1. WPV/VDPV potentially infectious material dates Types 1, 2 or 3 (Must contain now)	2. OPV2/nOPV2/Sabin2 potentially infectious material dates (Must mitigate now)	
174.	Slovenia <sup>77</sup>	Until Dec 1978 (5, 8)	Jan 1979 – Mar 2006	
175.	Solomon Islands <sup>1</sup>	Until Dec 1971 <sup>3</sup> (12)	Jan 1972 – Jul 2016	
176.	Somalia <sup>1</sup>	<ul> <li>Until Nov 2000 (3, 42)</li> <li>Mar 2001 – Oct 2002 (1)</li> <li>Jul 2005 – Aug 2014 (1)</li> <li>Oct 2017 – ongoing (1)</li> </ul>	<ul> <li>Dec 2000 – Feb 2001</li> <li>Nov 2002 – Jun 2005</li> <li>Sep 2014 – Sep 2017<sup>82</sup></li> </ul>	
177.	South Africa <sup>1</sup>	Until Dec 1991 <sup>3</sup> (68)	Jan 1992 – Jul 2016	
178.	South Sudan <sup>1</sup>	<ul> <li>Until Dec 2001 (14, 69)</li> <li>May 2004 - Dec 2009 (69, 70)</li> <li>Sep 2014 (1)</li> <li>Jun 2020 - Apr 2021 (1)</li> <li>Nov 2023 - ongoing (1)</li> </ul>	<ul> <li>Jan 2002 – Apr 2004</li> <li>Jan 2010 – Aug 2014</li> <li>Oct 2014 – Jul 2016</li> <li>May 2021 – Aug 2021<sup>83</sup></li> </ul>	
179.	Spain <sup>84</sup>	Until Mar 1988 <i>(5, 8)</i>	Apr 1988 – Jun 2004	
180.	Sri Lanka¹	Until Dec 1993 <sup>3</sup> (71)	Jan 1994 – Jul 2016	
181.	Sudan <sup>1</sup>	<ul> <li>Until Dec 2008 (3, 15, 69, 70)</li> <li>Jan 2009 – Mar 2009 (3, 70)</li> <li>Mar 2020 – Dec 2020 (1)</li> <li>Oct 2022 – ongoing (1)</li> </ul>	<ul> <li>Apr 2009 – Jul 2016</li> <li>Jan 2021 – Apr 2021<sup>85</sup></li> </ul>	
182.	Suriname <sup>1</sup>	Until Dec 1982 <sup>3</sup> (9)	Jan 1983 – Jul 2016	
183.	Sweden	Until Dec 1977 (5, 8)	Never used	
184.	Switzerland <sup>86</sup>	Until Oct 1982 (5, 8)	Nov 1982 – Dec 2001	
185.	Syrian Arab Republic <sup>1</sup>	<ul> <li>Until Dec 1998 (3, 14)</li> <li>Jul 2013 – Jan 2014 (1)</li> <li>Mar 2017 – Sep 2017 (1)</li> </ul>	<ul> <li>Jan 1999 – Jun 2013</li> <li>Feb 2014 – Jul 2016</li> <li>Oct 2017 – Apr 2018<sup>87</sup></li> </ul>	
186.	Tajikistan <sup>1</sup>	<ul> <li>Until Dec 1997<sup>3</sup> (8, 64)</li> <li>Feb 2010 – Jul 2010 (1, 74)</li> <li>Nov 2020 – Aug 2021 (1)</li> </ul>	<ul> <li>Jan 1998 – Jan 2010</li> <li>Aug 2010 – Jul 2016</li> <li>Sep 2021 – Nov 2021<sup>88</sup></li> </ul>	
Tanzo	Tanzania: see United Republic of Tanzania			
187.	Thailand <sup>1</sup>	Until Dec 1997 <i>(39)</i>	Jan 1998 – Jul 2016	
188.	Timor-Leste <sup>1</sup>	Until Dec 1995 <sup>3</sup> (17)	Jan 1996 – Jul 2016	

 $<sup>^{82}</sup>$  Aug 2016 – Sep 2017 predates mOPV2 use but enhanced mitigations are recommended to minimize poliovirus risk  $^{83}$  mOPV2 SIAs: Nov 2020 – May 2021

<sup>&</sup>lt;sup>84</sup> Estimated last use of tOPV: Mar 2004

<sup>&</sup>lt;sup>85</sup> mOPV2 SIAs: Nov 2020 – Jan 2021

<sup>&</sup>lt;sup>86</sup> Estimated last use of tOPV: Sep 2001

<sup>&</sup>lt;sup>87</sup> mOPV2 SIAs: Jul 2017 – Jan 2018

<sup>88</sup> nOPV2 SIAs: May 2021 - Aug 2021

No.	Country or area	WPV/VDPV potentially infectious     material dates     Types 1, 2 or 3     (Must contain now)	2. OPV2/nOPV2/Sabin2 potentially infectious material dates (Must mitigate now)	
189.	Togo <sup>1</sup>	<ul> <li>Until Dec 1999 (42, 56)</li> <li>Oct 2008 – Mar 2009 (1)</li> <li>Sep 2019 – Jul 2020 (1)</li> <li>Jan 2022 – Sep 2022 (1)</li> </ul>	<ul> <li>Jan 2000 – Sep 2008</li> <li>Apr 2009 – Jul 2016</li> <li>Aug 2020 – Feb 2021</li> <li>Oct 2022 – Jan 2023<sup>89</sup></li> </ul>	
190.	Tokelau <sup>90</sup>	Until Dec 1959 <sup>3</sup> (12)	Jan 1960 – Feb 2016 <sup>5</sup>	
191.	Tonga <sup>1</sup>	Until Dec 1982 <sup>3</sup> (12)	Jan 1983 – Jul 2016	
192.	Trinidad and Tobago <sup>1</sup>	Until Dec 1972 <sup>3</sup> (11)	Jan 1973 – Jul 2016	
193.	Tunisia <sup>1</sup>	Until Dec 1994 (3)	Jan 1995 – Jul 2016	
194.	Türkiye <sup>1</sup>	Until Aug 1998 (5, 8)	Sep 1999 – Jul 2016	
195.	Turkmenistan <sup>1</sup>	<ul><li>Until Jul 1996 (5, 8)</li><li>Jun 2010 (1)</li></ul>	<ul><li>Aug 1996 – May 2010</li><li>Jul 2010 – Jul 2016</li></ul>	
Turks	Turks and Caicos Islands: see under the United Kingdom of Great Britain and Northern Ireland			
196.	Tuvalu <sup>90</sup>	Until Dec 1936 <sup>3</sup> (12)	Jan 1937 – Feb 2016 <sup>91</sup>	
197.	Uganda <sup>1</sup>	<ul> <li>Until Dec 1996 (49, 72)</li> <li>Jan 2009 – Nov 2010 (1)</li> <li>Jun 2021 – Nov 2021 (1)</li> </ul>	<ul> <li>Jan 1997 – Dec 2008</li> <li>Dec 2010 – Jul 2016</li> <li>Dec 2021 – Apr 2022<sup>92</sup></li> <li>Nov 2022 – Feb 2023</li> </ul>	
198.	Ukraine <sup>1</sup>	<ul> <li>Until Dec 1996<sup>3</sup> (8)</li> <li>Jun 2015 – Jul 2015 (1)</li> <li>Sep 2021 – Dec 2021 (1)</li> </ul>	<ul> <li>Jan 1997 – May 2015</li> <li>Aug 2015 – Jul 2016</li> </ul>	
199.	United Arab Emirates <sup>1</sup>	Until Dec 1992 (3, 50)	Jan 1993 – Jul 2016	
200.	United Kingdom of Great Britain and Northern Ireland <sup>69</sup>	<ul> <li>Until Dec 1988 (5)</li> <li>May 2022 – Nov 2022 (1)</li> </ul>	Jan 1989 – Dec 2004	
201.	Anguilla <sup>1</sup>	Until Dec 1961 <sup>3</sup> (11)	Jan 1962 – Jul 2016	
202.	Bermuda <sup>1</sup>	Until Dec 1973 <sup>3</sup> (11)	Jan 1974 – Jul 2016	
203.	British Virgin Islands <sup>1</sup>	Until Dec 1973 <sup>3</sup> (9)	Jan 1974 – Jul 2016	
204.	Cayman Islands <sup>1</sup>	Until Dec 1965 (11)	Jan 1966 – Jul 2016	
205.	Montserrat <sup>1</sup>	Until Dec 1976 <sup>3</sup> (11)	Jan 1977 – Jul 2016	
206.	Pitcairn Islands <sup>1</sup>	Until Dec 1997	Jan 1998 – Jul 2016	

<sup>&</sup>lt;sup>89</sup> mOPV2 SIAs: Sep 2020 – Nov 2020. nOPV2 SIAs: Oct 2022. Aug 2020 predates mOPV2 use but enhanced mitigations are recommended to minimize poliovirus risk

<sup>90</sup> Estimated last use of tOPV: Nov 2015

 $<sup>^{91}</sup>$  1937 predates the introduction of OPV2 in 1961 but enhanced mitigations are recommended to minimize poliovirus risk  $^{92}$  nOPV2 SIAs: Jan 2022; Nov 2022. Dec 2021 predates nOPV2 use but enhanced mitigations are recommended to minimize

poliovirus risk

No.	Country or area	1. WPV/VDPV potentially infectious material dates Types 1, 2 or 3 (Must contain now)	2. OPV2/nOPV2/Sabin2 potentially infectious material dates (Must mitigate now)	
207.	Saint Helena <sup>1</sup>	Until Dec 1945 <sup>3</sup> (73)	Jan 1946 – Jul 2016 <sup>93</sup>	
208.	Turks and Caicos Islands <sup>1</sup>	Until Dec 1978 <sup>3</sup> (11)	Jan 1979 – Jul 2016	
209.	United Republic of Tanzania <sup>1</sup>	<ul><li>Until Dec 1996 (6)</li><li>May 2023 – ongoing (1)</li></ul>	Jan 1997 – Jul 2016	
210.	United States of America <sup>94</sup>	<ul> <li>Until Dec 1971 (11)</li> <li>Jan 1979 – Dec 1979 (40)</li> <li>Jun 2022 – Oct 2022<sup>95</sup> (1)</li> </ul>	<ul><li>Jan 1972 – Dec 1978</li><li>Jan 1980 – Mar 2000</li></ul>	
211.	American Samoa <sup>4</sup>	Until Dec 1959 <sup>3</sup> (12)	Jan 1960 – Mar 2005 <sup>5</sup>	
212.	Guam <sup>96</sup>	Until Dec 1964 <sup>3</sup> (12)	Jan 1965 – Jan 2002	
213.	Northern Mariana Islands <sup>54</sup>	Until Dec 1969 <sup>3</sup> (12)	Jan 1970 – Mar 1999	
214.	US Virgin Islands <sup>1</sup>	Until Dec 1981 <sup>3</sup> (11)	Jan 1982 – Jul 2016	
215.	Uruguay <sup>74</sup>	Until Dec 1978 <sup>3</sup> (11)	Jan 1979 – Mar 2012	
US Virgin Islands: see under the United States of America				
216.	Uzbekistan <sup>1</sup>	<ul> <li>Until Dec 1995 (5, 8)</li> <li>Apr 2010 – Jun 2010 (74)</li> </ul>	<ul><li>Jan 1996 – Mar 2010</li><li>Jul 2010 – Jul 2016</li></ul>	
217.	Vanuatu <sup>1</sup>	Until Dec 1989 <sup>3</sup> (12)	Jan 1990 – Jul 2016	
218.	Venezuela (Bolivarian Republic of) <sup>1</sup>	Until Dec 1989 (11)	Jan 1990 – Jul 2016	
219.	Viet Nam¹	Until Jan 1997 <i>(12)</i>	Feb 1997 – Jul 2016	
Virgin Islands, British: see under the United Kingdom of Great Britain and Northern Ireland; Virgin Islands, US: see under the United States of America; Wallis and Futuna: see under France				
220.	Yemen <sup>1</sup>	<ul> <li>Until Dec 1999³ (42)</li> <li>Feb 2005 – Feb 2006 (1)</li> <li>Apr 2011 – Oct 2011 (1)</li> <li>Apr 2012 – Jul 2013 (1)</li> <li>Jun 2019 – Mar 2021 (1)</li> <li>Jul 2021 – ongoing (1)</li> </ul>	<ul> <li>Jan 2000 – Jan 2005</li> <li>Mar 2006 – Mar 2011</li> <li>Nov 2011 – Mar 2012</li> <li>Aug 2013 – Jul 2016</li> </ul>	
Zaire: see Democratic Republic of the Congo				
221.	Zambia <sup>1</sup>	<ul> <li>Until Dec 1995 (35)</li> <li>Dec 2001 – Feb 2002 (1)</li> <li>Jul 2019 – Nov 2019 (1)</li> <li>Oct 2022 – Jun 2024 (1)</li> </ul>	<ul> <li>Jan 1996 – Nov 2001</li> <li>Mar 2002 – Jul 2016</li> <li>Dec 2019 – Jun 2020<sup>97</sup></li> </ul>	

 $<sup>^{93}</sup>$  1946 predates the introduction of OPV2 in 1961 but enhanced mitigations are recommended to minimize poliovirus risk

<sup>&</sup>lt;sup>94</sup> Estimated last use of tOPV: Dec 1999

<sup>&</sup>lt;sup>95</sup> VDPV circulation detected in New York State

<sup>&</sup>lt;sup>96</sup> Estimated last use of tOPV: Oct 2001

<sup>&</sup>lt;sup>97</sup> mOPV2 SIAs: Nov 2019 – Mar 2020

No.	Country or area	WPV/VDPV potentially infectious     material dates     Types 1, 2 or 3     (Must contain now)	2. OPV2/nOPV2/Sabin2 potentially infectious material dates (Must mitigate now)
222.	Zimbabwe <sup>1</sup>	<ul><li>Until Dec 1999 (24)</li><li>Jul 2023 – ongoing (1)</li></ul>	Jan 2000 – Jul 2016

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