

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, MARCH 2021 UPDATE



**World Health
Organization**

Poliovirus containment: guidance to minimize risk for facilities collecting, handling or storing materials potentially infectious for polioviruses, second edition. Web Annex A. Country- and area-specific poliovirus data, March 2021 update

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This publication forms part of the WHO guideline entitled *Poliovirus containment: guidance to minimize risk for facilities collecting, handling or storing materials potentially infectious for polioviruses, second edition*. It is being made publicly available for transparency purposes and information, in accordance with the *WHO handbook for guideline development*, 2nd edition (2014).

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ABBREVIATIONS AND ACRONYMS

AFP	Acute flaccid paralysis
GAPIII	Global Action Plan III 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
aVDPV	Ambiguous vaccine-derived poliovirus
cVDPV	Circulating vaccine-derived poliovirus
cVDPV1	Circulating vaccine-derived poliovirus type 1
cVDPV2	Circulating vaccine-derived poliovirus type 2
cVDPV3	Circulating vaccine-derived poliovirus type 3
iVDPV	Immunodeficiency-associated vaccine-derived poliovirus
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, MARCH 2021 UPDATE

Facilities are encouraged to use Table A2.1 of Annex 2, in conjunction with the *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) 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 wild poliovirus (WPV) indigenous, 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.

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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**,² the sample must be destroyed, inactivated or handled under full Global Action Plan III for Poliovirus Containment (GAPIII). Please note that until wild poliovirus type 1 (WPV1) is declared eradicated, only wild poliovirus type 2/circulating vaccine-derived poliovirus type 2 (WPV2/cVDPV2) and wild poliovirus type 3/circulating vaccine-derived poliovirus type 3 (WPV3/cVDPV3) potentially infectious material require immediate action.
 - 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 GAPIII containment under the specific conditions outlined in this Guidance.

¹ Please contact containment@who.int for any comments or questions.

² These columns include the dates of indigenous WPV circulation, WPV outbreaks and cVDPV outbreaks.

Table A2.1: Important notes

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

WPV/cVDPV potentially infectious material column dates: The dates for circulation of all three WPV types in each country are listed in this table. Often the dates of two or more types of WPV will overlap. The breakdown of WPV circulation dates by type is provided so that type-specific WPV potentially infectious material inventories may be performed and actions related to the identification of WPV2/ WPV3 potentially infectious material, currently requiring containment, may be prioritized.

The columns included under this heading list the last known dates of 1) indigenous WPV; 2) outbreak WPV; and 3) cVDPV for each 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. 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 and a footnote. Bold countries and dates indicate ongoing WPV or cVDPV outbreaks, or ongoing circulation at the time of publication. Dates of single cases of WPV importation, ambiguous vaccine-derived poliovirus (aVDPV) cases and immunodeficiency-associated vaccine-derived poliovirus (iVDPV) cases are not included in this table. All WPV/cVDPV dates include a reference and/or a footnote denoting the information source.

- **WPV1/cVDPV1 column:** WPV1 is still endemic in two countries: Afghanistan and Pakistan. As of January 2021, circulating vaccine-derived poliovirus type 1 (cVDPV1) outbreaks are ongoing in Malaysia, Philippines and Yemen.
- **WPV2/cVDPV2 column:** This column’s orange highlighting indicates that samples collected during these dates require immediate action. WPV2/cVDPV2 potentially infectious material must be destroyed, inactivated or handled under full GAPIII containment requirements. As of January 2021, cVDPV2 outbreaks are ongoing in Afghanistan, Angola, Benin, Burkina Faso, Cameroon, Central African Republic, Chad, Côte d’Ivoire, Democratic Republic of the Congo, Ethiopia, Ghana, Guinea, Liberia, Malaysia, Mali, Niger, Nigeria, Pakistan, Philippines, Sierra Leone, Somalia, South Sudan, Sudan, Togo and Zambia. In response, supplementary immunization activities (SIAs) with monovalent oral polio vaccine type 2 (mOPV2) and trivalent oral polio vaccine (tOPV) are organized in these countries. Since the switch in 2016, more than 650 million OPV2 doses (602 million mOPV2 doses and 48 million tOPV doses) have thus been reintroduced in Africa and other regions.
- **WPV3/cVDPV3 column:** This column’s orange highlighting indicates that samples collected during these dates require immediate action. Since WPV3 was declared eradicated in October 2019, WPV3/cVDPV3 potentially infectious material must be destroyed, inactivated or handled under full GAPIII containment requirements. As of January 2021, a cVDPV3 outbreak is ongoing in Somalia.

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 GAPIII 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 territory generally start immediately following the last known dates of circulation of WPV2/cVDPV2 or WPV3/cVDPV3, depending on whichever date was latest. The year of tOPV introduction³ and month and year of last tOPV use⁴ are indicated for each country in the footnotes. To

³ The year of tOPV introduction is generally not known. For this reason, the table assumes that materials collected between the last listed WPV2 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.

⁴ In countries and territories where only the year is known, the month of last tOPV use was arbitrarily set as December.

define the end dates of OPV2/nOPV2/Sabin2 circulation, three months were added to the last known use of tOPV or mOPV2 in each country or territory. 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 a sample collected during dates of WPV/cVDPV circulation are considered WPV potentially infectious material, which presents a higher risk than oral polio virus (OPV)/novel oral polio vaccine (nOPV)/Sabin potentially infectious material. However, only samples that are WPV2/cVDPV2 potentially infectious material, WPV3/cVDPV3 potentially infectious material or OPV2/nOPV2/Sabin2 potentially infectious material immediately require special actions. Due to the process used for defining the OPV2/nOPV2/Sabin2 potentially infectious material dates defined above, the WPV1/cVDPV1 potentially infectious material dates frequently overlap with the OPV2/nOPV2/Sabin2 potentially infectious material dates for a given country or territory. In these cases, these samples are considered first and foremost to be high-risk WPV potentially infectious material but are only immediately required to be handled as OPV2/nOPV2/Sabin2 as WPV1 is not yet subject to GAPIII containment. Upon declaration of eradication of all poliovirus types, all samples collected during the WPV potentially infectious material dates identified in this table will be required to be destroyed, inactivated or handled under full GAPIII containment.

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

Table A2.1. Country- and area-specific poliovirus data, March 2021 update

No.	Country or area	1. WPV/VDPV potentially infectious material dates			2. OPV2/nOPV2/Sabin2 potentially infectious material dates (Must mitigate now)
		WPV1/cVDPV1	WPV2/cVDPV2 (Must contain now)	WPV3/cVDPV3 (Must contain now)	
1.	Afghanistan ¹	Endemic (1)	<ul style="list-style-type: none"> • Until Nov 1997 (2, 3) • Jun 2010 – Mar 2013² (1) • Jan 2020 – ongoing² (1) 	Until Apr 2010 (1)	<ul style="list-style-type: none"> • May 2010 • Apr 2013 – Jul 2016
2.	Albania ¹	Until Nov 1996 (4)	Until Dec 1985 (5)	Until Dec 1978 (5)	Jan 1986 – Jul 2016
3.	Algeria ¹	Until Dec 1996 ³ (6)	Until Dec 1985 (7)	Until Dec 1996 ³ (6)	Jan 1997 – Jul 2016
<i>American Samoa: see under the United States of America</i>					
4.	Andorra ⁴	Until Dec 1959 ³ (8)	Until Dec 1959 ³ (8)	Until Dec 1959 ³ (8)	Jan 1960 – Mar 2005 ⁵
5.	Angola ¹	<ul style="list-style-type: none"> • Until Sep 2001 (1) • Apr 2005 – Jul 2011 (1) 	<ul style="list-style-type: none"> • Until Dec 1982 (9) • Apr 2019 – ongoing² (1) 	<ul style="list-style-type: none"> • Until May 1999 (10) • Mar 2008 – Nov 2008 (1) 	<ul style="list-style-type: none"> • Jun 1999 – Feb 2008 • Dec 2008 – Jul 2016
<i>Anguilla: see under the United Kingdom of Great Britain and Northern Ireland</i>					
6.	Antigua and Barbuda ¹	Until Dec 1965 ³ (11)	Until Dec 1964 (11)	Until Dec 1965 ³ (11)	Jan 1966 – Jul 2016
7.	Argentina ¹	Until Dec 1984 (11)	Until Dec 1982 (11)	Until Dec 1973 (11)	Jan 1983 – Jul 2016
8.	Armenia ¹	Until Jun 1995 (5, 8)	Until Jun 1995 (5, 8)	Until Jul 1991 (5)	Jul 1995 – Jul 2016
9.	Australia ⁶	Until Dec 1972 ³ (12)	Until Dec 1972 ³ (12)	Until Dec 1972 ³ (12)	Jan 1973 – Jun 2006
10.	Austria ⁷	Until Dec 1980 ³ (8)	Until Dec 1980 ³ (8)	Until Dec 1980 ³ (8)	Jan 1981 – Nov 2001
11.	Azerbaijan ¹	Until Oct 1995 (5)	Until Oct 1995 (5)	Until Oct 1995 (5)	Nov 1995 – Jul 2016
12.	Bahamas ¹	Until Dec 1978 ³ (11)	Until Dec 1977 (11)	Until Dec 1978 ³ (11)	Jan 1979 – Jul 2016
13.	Bahrain ¹	Until Dec 1993 (13)	Until Dec 1980 (14)	Until Dec 1977 (3)	Jan 1981 – Jul 2016
14.	Bangladesh ¹	<ul style="list-style-type: none"> • Until Dec 2000 (15) • Jan 2006 – Dec 2006 (1, 16) 	Until Dec 1999 ⁸ (17)	Until Oct 2010 ⁹ (17)	Nov 2010 – Jul 2016

¹ Last use of tOPV: Apr 2016

² Circulating vaccine-derived poliovirus outbreak

³ Last clinically confirmed polio case, poliovirus type unknown

⁴ Estimated last use of tOPV: Dec 2004

⁵ 1960 predates the introduction of OPV2 in 1961 but enhanced mitigations are recommended to minimize poliovirus risk

⁶ Estimated last use of tOPV: Mar 2006

⁷ Estimated last use of tOPV: Aug 2001

⁸ Year of the last WPV2 case in the South-East Asia Region

⁹ Year of the last WPV3 case in the South-East Asia Region

No.	Country or area	1. WPV/VDPV potentially infectious material dates			2. OPV2/nOPV2/Sabin2 potentially infectious material dates (Must mitigate now)
		WPV1/cVDPV1	WPV2/cVDPV2 (Must contain now)	WPV3/cVDPV3 (Must contain now)	
15.	Barbados ¹	Until Dec 1966 ³ (11)	Until Dec 1967 (11)	Until Dec 1966 ³ (11)	Jan 1968 – Jul 2016
16.	Belarus ¹	Until Dec 1964 ³ (8)	Until Dec 1964 ³ (8)	Until Dec 1964 ³ (8)	Jan 1965 – Jul 2016
17.	Belgium ¹⁰	Until Dec 1979 ³ (8)	Until Dec 1979 ³ (8)	Until Dec 1979 ³ (8)	Jan 1980 – Mar 2002
18.	Belize ¹	Until Dec 1981 ³ (11)	Until Dec 1980 (11)	Until Dec 1981 ³ (11)	Jan 1982 – Jul 2016
19.	Benin¹	<ul style="list-style-type: none"> • Until Dec 2000³ (15) • Nov 2003 – Jun 2004 (1) • Apr 2008 – Apr 2009 (1) 	<ul style="list-style-type: none"> • Until Dec 1997 (7) • Jun 2019 – ongoing² (1) 	<ul style="list-style-type: none"> • Until Dec 2000³ (15) • Jun 2008 – Dec 2008 (1) 	<ul style="list-style-type: none"> • Jan 2001 – May 2008 • Jan 2009 – Jul 2016
<i>Bermuda: see under the United Kingdom of Great Britain and Northern Ireland</i>					
20.	Bhutan ¹	Until Dec 1986 ³ (18)	Until Dec 1986 ³ (18)	Until Dec 1986 ³ (18)	Jan 1987 – Jul 2016
21.	Bolivia (Plurinational State of) ¹	Until Dec 1989 (11)	Until Dec 1985 (11)	Until Dec 1988 (11)	Jan 1989 – Jul 2016
22.	Bosnia and Herzegovina ¹	Until Dec 1974 ³ (8)	Until Dec 1974 ³ (8)	Until Dec 1974 ³ (8)	Jan 1975 – Jul 2016
23.	Botswana ¹	Until Dec 1989 ³ (19)	Until Dec 1989 ³ (19)	Until Dec 1989 ³ (19)	Jan 1990 – Jul 2016
24.	Brazil ¹	Until Dec 1989 (11)	Until Dec 1985 (11)	Until Dec 1988 (11)	Jan 1989 – Jul 2016
<i>British Virgin Islands: see under the United Kingdom of Great Britain and Northern Ireland</i>					
25.	Brunei Darussalam ¹¹	Until Dec 1978 ³ (20)	Until Dec 1978 ³ (20)	Until Dec 1978 ³ (20)	Jan 1979 – Dec 2012
26.	Bulgaria ¹²	<ul style="list-style-type: none"> • Until May 1991 (5, 8) • Mar 2001 – May 2001 (21) 	Until Mar 1991 (5, 8)	Until Mar 1991 (5, 8)	Apr 1991 – Sep 2007
27.	Burkina Faso¹	<ul style="list-style-type: none"> • Until Dec 1984³ (9) • Sep 2002 – Sep 2004 (1) • Jun 2008 – Oct 2009 (1) 	<ul style="list-style-type: none"> • Until Dec 1984³ (9) • Nov 2019 – ongoing² (1) 	Until Dec 1984 ³ (9)	Jan 1985 – Jul 2016
<i>Burma: see Myanmar</i>					
28.	Burundi ¹	<ul style="list-style-type: none"> • Until Dec 1984³ (9) • Sep 2009 (1) 	Until Dec 1984 ³ (9)	Until Dec 1984 ³ (9)	Jan 1985 – Jul 2016
29.	Cabo Verde ¹	<ul style="list-style-type: none"> • Until Dec 1984³ (9) • Aug 2000 – Oct 2000 (22) 	Until Dec 1984 ³ (9)	Until Dec 1984 ³ (9)	Jan 1985 – Jul 2016

¹⁰ Estimated last use of tOPV: Dec 2003

¹¹ Estimated last use of tOPV: Sep 2012

¹² Estimated last use of tOPV: Jun 2007

No.	Country or area	1. WPV/cVDPV potentially infectious material dates			2. OPV2/nOPV2/Sabin2 potentially infectious material dates (Must mitigate now)
		WPV1/cVDPV1	WPV2/cVDPV2 (Must contain now)	WPV3/cVDPV3 (Must contain now)	
30.	Cambodia ¹	Until Mar 1997 (23)	Until Dec 1989 (12)	Until Dec 1993 ¹³ (12)	Jan 1994 – Jul 2016
31.	Cameroon ¹⁴	<ul style="list-style-type: none"> • Until Dec 1999 (24) • Oct 2013 – Jul 2014 (1) • Oct 2003 – Dec 2006 (1) 	<ul style="list-style-type: none"> • Until Dec 1984³ (9) • May 2013 – Aug 2013² (1) • Apr 2019¹⁵ – ongoing² (1) 	<ul style="list-style-type: none"> • Until Dec 1984³ (9) • Jul 2009 – Oct 2009 (1) 	<ul style="list-style-type: none"> • Jan 1985 – Jun 2009 • Nov 2009 – Apr 2013 • Sep 2013 – Apr 2017¹⁶
32.	Canada ¹⁷	<ul style="list-style-type: none"> • Until Dec 1977 (11) • Jul 1978 – Aug 1978 (25) 	Until Dec 1964 ³ (11)	<ul style="list-style-type: none"> • Until Dec 1964³ (11) • Jan 1993 – Jun 1993 (26) 	<ul style="list-style-type: none"> • Jan 1965 – Dec 1992 • Jul 1993 – Mar 1997
<i>Cayman Islands: see under the United Kingdom of Great Britain and Northern Ireland</i>					
33.	Central African Republic ¹	<ul style="list-style-type: none"> • Until Jul 2000 (15) • Dec 2003 – Nov 2004 (1) • Apr 2008 – Dec 2008 (1) • Sep 2011 – Dec 2011 (1) 	<ul style="list-style-type: none"> • Until Dec 1996 (7) • May 2019 – ongoing² (1) 	<ul style="list-style-type: none"> • Until Dec 1984³ (9) • Apr 2009 – Aug 2009 (1) 	<ul style="list-style-type: none"> • Jan 1997 – Mar 2009 • Sep 2009 – Jul 2016
34.	Chad ¹⁸	<ul style="list-style-type: none"> • Until Dec 2000 (15) • Aug 2003 – Dec 2005 (1) • May 2007 – Nov 2008 (1) • Sep 2010 – Jun 2012 (1) 	<ul style="list-style-type: none"> • Until Dec 1983 (9) • Jul 2012 – May 2013² (1) • Aug 2019¹⁹ – ongoing² (1) 	<ul style="list-style-type: none"> • Until Dec 1999 (24) • Oct 2004 – Nov 2004 (1) • Nov 2006 – Mar 2011 (1) 	<ul style="list-style-type: none"> • Jan 2000 – Sep 2004 • Dec 2004 – Oct 2006 • Apr 2011 – Jun 2012 • Jun 2013 – Apr 2017¹⁶ • Jul 2019 – Aug 2019
35.	Chile ¹	Until Dec 1975 (11)	Until Dec 1970 (11)	Until Dec 1974 (11)	Jan 1975 – Jul 2016
36.	China ¹	<ul style="list-style-type: none"> • Until Sep 1994 (12, 27) • Jul 2011 – Oct 2011 (28) 	<ul style="list-style-type: none"> • Until Dec 1985 (29) • Jan 2012 – Feb 2012² (1) • Apr 2018²⁰ – Aug 2019² (1) 	Until Dec 1993 ¹³ (12)	<ul style="list-style-type: none"> • Jan 1994 – Dec 2011 • Mar 2012 – Jul 2016
37.	China, Hong Kong SAR ²¹	Until Dec 1981 ³ (12)	Until Dec 1983 (12)	Until Dec 1981 ³ (12)	Jan 1984 – Nov 2008
38.	China, Macao SAR ²²	Until Dec 1975 ³ (12)	Until Dec 1975 ³ (12)	Until Dec 1975 ³ (12)	Jan 1976 – Dec 2009
39.	Taiwan, China ¹	Until Dec 1982 ³ (30)	Until Dec 1982 ³ (30)	Until Dec 1982 ³ (30)	Jan 1983 – Jul 2016

¹³ Year of the last WPV3 case in the Western Pacific Region

¹⁴ Last use of tOPV: Apr 2016; mOPV2 SIAs: Dec 2016 – Jan 2017

¹⁵ Environmental sample isolates linked to ongoing outbreak in neighbouring countries

¹⁶ Aug 2016 – Nov 2016 predates mOPV2 use but enhanced mitigations are recommended to minimize poliovirus risk

¹⁷ Estimated last use of tOPV: Dec 1996

¹⁸ Last use of tOPV: Apr 2016; mOPV2 SIAs: Dec 2016 – Jan 2017; Jul 2019 – ongoing

¹⁹ Single polio case from Sep 2019, linked to ongoing outbreak in neighbouring countries

²⁰ Environmental isolate from Apr 2018 linked to 2019 cases

²¹ Estimated last use of tOPV: Aug 2008

²² Estimated last use of tOPV: Sep 2009

No.	Country or area	1. WPV/cVDPV potentially infectious material dates			2. OPV2/nOPV2/Sabin2 potentially infectious material dates (Must mitigate now)
		WPV1/cVDPV1	WPV2/cVDPV2 (Must contain now)	WPV3/cVDPV3 (Must contain now)	
40.	Colombia ¹	Until Jul 1991 (11)	Until Dec 1982 (11)	Until Dec 1989 (11)	Jan 1990 – Jul 2016
41.	Comoros ¹	Until Dec 1980 ³ (9)	Until Dec 1980 ³ (9)	Until Dec 1980 ³ (9)	Jan 1981 – Jul 2016
42.	Congo ¹	<ul style="list-style-type: none"> Until Dec 2000 (15) Sep 2010 – Jan 2011 (1) 	<ul style="list-style-type: none"> Until Dec 1984³ (9) Sep 2020 – ongoing² 	Until Dec 1984 ³ (9)	Jan 1985 – Jul 2016
43.	Cook Islands ¹	Until Dec 1959 ³ (12)	Until Dec 1959 ³ (12)	Until Dec 1959 ³ (12)	Jan 1960 – Jul 2016 ⁵
44.	Costa Rica ²³	Until Dec 1973 (11)	Until Dec 1985 ³ (11)	Until Dec 1985 ³ (11)	Jan 1986 – Nov 2011
45.	Côte d'Ivoire ¹	<ul style="list-style-type: none"> Until Dec 2000 (15) Dec 2003 – Oct 2004 (1) Dec 2008 – Aug 2009 (1) 	<ul style="list-style-type: none"> Until Dec 1997 (7) Sep 2019²⁴ – ongoing² (1) 	<ul style="list-style-type: none"> Until Dec 1999 (24) Jan 2011 – Jul 2011 (1) 	<ul style="list-style-type: none"> Jan 2000 – Dec 2010 Aug 2011 – Jul 2016
46.	Croatia ²⁵	Until Jun 1990 (5)	Until Jun 1989 (5)	Until Dec 1981 (5)	Jul 1989 – Mar 2008
47.	Cuba ¹	Until May 1962 (11)	Until Dec 1961 ³ (11)	Until Dec 1961 ³ (11)	Jan 1962 – Jul 2016
48.	Cyprus ²⁵	Until Jul 1995 (5)	Until Jul 1995 (5)	Until Jul 1995 (5)	Aug 1995 – Mar 2008
49.	Czechia ²⁶	Until Dec 1960 ³ (8)	Until Dec 1960 ³ (8)	Until Dec 1960 ³ (8)	Jan 1961 – Mar 2007
50.	Democratic People's Republic of Korea ¹	Until Dec 1996 ³ (17)	Until Dec 1996 ³ (17)	Until Dec 1996 ³ (17)	Jan 1997 – Jul 2016
51.	Democratic Republic of the Congo ²⁷	<ul style="list-style-type: none"> Until Dec 2000³ (31) Jan 2005 – Aug 2008 (1, 32) May 2010 – Dec 2011 (1) 	<ul style="list-style-type: none"> Until Dec 2000³ (31) Feb 2010 – Sep 2010² (1) Oct 2011 – Apr 2012² (1) Feb 2017 – ongoing² (1) 	<ul style="list-style-type: none"> Until Dec 2000³ (31) Oct 2008 – Jun 2009 (1) 	<ul style="list-style-type: none"> Jan 2001 – Sep 2008 Jul 2009 – Jan 2010 Oct 2010 – Sep 2011 Mar 2012 – Jan 2017 ²⁸
52.	Denmark ²⁹	Until Dec 1976 (8)	Until Dec 1967 ³ (5)	Until Dec 1967 ³ (5)	Jan 1968 – Oct 2004
53.	Djibouti ¹	Until Dec 1999 ³ (3, 33)	Until Dec 1999 ³ (33)	Until Dec 1999 ³ (33)	Jan 2000 – Jul 2016
54.	Dominica ¹	Until Dec 1980 ³ (11)	Until Dec 1980 ³ (11)	Until Dec 1980 ³ (11)	Jan 1981 – Jul 2016

²³ Estimated last use of tOPV: Aug 2011

²⁴ Environmental sample isolate from Sep 2019, linked to ongoing outbreak in neighbouring countries

²⁵ Estimated last use of tOPV: Dec 2007

²⁶ Estimated last use of tOPV: Dec 2006

²⁷ Last use of tOPV: Apr 2016; mOPV2 use Jun 2017 – ongoing

²⁸ Aug 2016 – Jan 2017 predates mOPV2 use but enhanced mitigations are recommended to minimize poliovirus risk

²⁹ Estimated last use of tOPV: Jul 2004

No.	Country or area	1. WPV/VDPV potentially infectious material dates			2. OPV2/nOPV2/Sabin2 potentially infectious material dates (Must mitigate now)
		WPV1/cVDPV1	WPV2/cVDPV2 (Must contain now)	WPV3/cVDPV3 (Must contain now)	
55.	Dominican Republic ¹	<ul style="list-style-type: none"> • Until Dec 1985³ (11) • Jul 2000 – Jan 2001² (34) 	Until Dec 1985 ³ (11)	Until Dec 1985 ³ (11)	Jan 1986 – Jul 2016
56.	Ecuador ¹	Until Dec 1990 ³ (11)	Until Dec 1987 (11)	Until Dec 1990 ³ (11)	Jan 1991 – Jul 2016
57.	Egypt ³⁰	Until May 2004 (3)	<ul style="list-style-type: none"> • Until Dec 1994 (3) • Sep 2020¹⁵ – ongoing 	Until Dec 2000 (3)	Jan 2001 – Aug 2016
58.	El Salvador ¹	Until Dec 1989 ³ (11)	Until Dec 1987 (11)	Until Dec 1989 ³ (11)	Jan 1990 – Jul 2016
59.	Equatorial Guinea ¹	<ul style="list-style-type: none"> • Until Dec 1979³ (9) • Jan 2014 – May 2014 (1) 	Until Dec 1979 ³ (9)	Until Dec 1979 ³ (9)	Jan 1980 – Jul 2016
60.	Eritrea ¹	Until Dec 1995 ³ (35)	Until Dec 1995 ³ (35)	Until Dec 1995 ³ (35)	Jan 1996 – Jul 2016
61.	Estonia ²⁵	Until Dec 1961 ³ (8)	Until Dec 1961 ³ (8)	Until Dec 1961 ³ (8)	Jan 1962 – Mar 2008
62.	Eswatini ¹	Until Dec 1989 ³ (36)	Until Dec 1989 ³ (36)	Until Dec 1989 ³ (36)	Jan 1990 – Jul 2016
63.	Ethiopia ³¹	<ul style="list-style-type: none"> • Until Jan 2001 (15) • Dec 2004 – Nov 2006 (1) • Mar 2008 – Apr 2008 (1) • Jul 2013 – Jan 2014 (1) 	<ul style="list-style-type: none"> • Until Dec 1984³ (9) • May 2019 – ongoing² (1) 	<ul style="list-style-type: none"> • Until Dec 1984³ (9) • Jan 2010 – May 2010² (1) 	<ul style="list-style-type: none"> • Jan 1985 – Dec 2009 • Jun 2010 – Jul 2016 • Jul 2018 – Apr 2019³²
64.	Fiji ¹	Until Dec 1958 ³ (12)	Until Dec 1958 ³ (12)	Until Dec 1958 ³ (12)	Jan 1959 – Jul 2016 ³³
65.	Finland ³⁴	Until Dec 1964 ³ (37)	Until Dec 1960 (5)	<ul style="list-style-type: none"> • Until Dec 1964³ (37) • Aug 1984 – Jan 1985 (37) 	Feb 1985 – Jun 1985
66.	France ³⁵	Until Jun 1989 (5, 8)	Until Dec 1984 (5)	Until Jan 1989 (5, 8)	Feb 1989 – Sep 1999
67.	French Guiana ³⁶	Until Dec 1983 ³ (9)	Until Dec 1983 ³ (9)	Until Dec 1983 ³ (9)	Jan 1984 – Mar 1991
68.	French Polynesia ³⁷	Until Dec 1982 ³ (12)	Until Dec 1982 ³ (12)	Until Dec 1982 ³ (12)	Jan 1983 – Dec 2005
69.	Guadeloupe ¹	Until Dec 1970 ³ (14)	Until Dec 1970 ³ (14)	Until Dec 1970 ³ (14)	Jan 1971 – Jul 2016
70.	Martinique ³⁶	Until Dec 1975 ³ (38)	Until Dec 1975 ³ (38)	Until Dec 1975 ³ (38)	Jan 1976 – Mar 1991

³⁰ Estimated last use of tOPV: May 2016

³¹ Last use of tOPV: Apr 2016; mOPV2 SIAs related to ongoing cVDPV2 outbreaks in neighbouring countries: Jul 2018 – Sep 2018; Jun 2019 – ongoing

³² Jan 2019 – Apr 2019 predates mOPV2 use but enhanced mitigations are recommended to minimize poliovirus risk

³³ 1959 predates the introduction of OPV2 in 1961 but enhanced mitigations are recommended to minimize poliovirus risk

³⁴ Estimated only use of tOPV: Feb–Mar 1985

³⁵ Estimated last use of tOPV: Jun 1999

³⁶ Estimated last use of tOPV: Dec 1990

³⁷ Estimated last use of tOPV: Sep 2005

No.	Country or area	1. WPV/VDPV potentially infectious material dates			2. OPV2/nOPV2/Sabin2 potentially infectious material dates (Must mitigate now)
		WPV1/cVDPV1	WPV2/cVDPV2 (Must contain now)	WPV3/cVDPV3 (Must contain now)	
71.	New Caledonia ³⁸	Until Dec 1982 ³ (12)	Until Dec 1982 ³ (12)	Until Dec 1982 ³ (12)	Jan 1983 – Jan 1995
72.	La Réunion ³⁶	Until Dec 1979 ³ (14)	Until Dec 1979 ³ (14)	Until Dec 1979 ³ (14)	Jan 1980 – Mar 1991
73.	Wallis and Futuna ³⁷	Until Dec 1972 ³ (12)	Until Dec 1972 ³ (12)	Until Dec 1972 ³ (12)	Jan 1973 – Dec 2005
<i>French Guiana and French Polynesia: see under France</i>					
74.	Gabon ¹	Until Dec 1984 ³ (9)	Until Dec 1984 ³ (9)	Until Dec 1984 ³ (9)	Jan 1985 – Jul 2016
75.	Gambia ¹	Until Dec 1997 (39)	Until Dec 1980 ³ (9)	Until Dec 1980 ³ (9)	Jan 1981 – Jul 2016
76.	Georgia ¹	Until Sep 1991 (5, 40)	Until Jan 1987 (5)	Until Nov 1990 (5)	Dec 1990 – Jul 2016
77.	Germany ³⁹	Until May 1990 (5)	Until Dec 1989 (5)	Until Dec 1989 (5)	Jan 1990 – Mar 1998
78.	Ghana ¹	<ul style="list-style-type: none"> • Until Dec 2000 (24) • Feb 2003 – Sep 2003 (1) • Sep 2008 – Nov 2008 (1) 	<ul style="list-style-type: none"> • Until Dec 1984³ (9) • Jun 2019 – ongoing² (1) 	Until Dec 1984 ³ (9)	Jan 1985 – Jul 2016
79.	Greece ⁴	Until Sep 1996 (5, 41)	Until Sep 1996 (5)	Until Sep 1996 (5)	Oct 1996 – Mar 2005
80.	Grenada ¹	Until Dec 1955 ³ (11)	Until Dec 1955 ³ (11)	Until Dec 1955 ³ (11)	Jan 1956 – Jul 2016 ⁴⁰
<i>Guadeloupe: see under France</i>					
<i>Guam: see under the United States of America</i>					
81.	Guatemala ¹	Until Dec 1987 ³ (11)	Until Dec 1987 ³ (11)	Until Dec 1990 (11)	Jan 1991 – Jul 2016
82.	Guinea ¹	<ul style="list-style-type: none"> • Until Dec 1999 (24) • Jun 2004 – Dec 2004 (1) • Apr 2009 – Nov 2009 (1) 	<ul style="list-style-type: none"> • Until Dec 1984³ (9) • Aug 2014 – Dec 2015² (1) • Mar 2020 – ongoing² (1) 	<ul style="list-style-type: none"> • Until Dec 1984³ (9) • May 2011 – Aug 2011 (1) 	<ul style="list-style-type: none"> • Jan 1985 – Apr 2011 • Sep 2011 – Jul 2014 • Jan 2016 – Jul 2016
83.	Guinea-Bissau ¹	Until Dec 1999 (42)	Until Dec 1982 ³ (9)	Until Dec 1982 ³ (9)	Jan 1983 – Jul 2016
84.	Guyana ¹	Until Dec 1975 ³ (14)	Until Dec 1975 ³ (14)	Until Dec 1975 ³ (14)	Jan 1976 – Jul 2016
85.	Haiti ¹	<ul style="list-style-type: none"> • Until Dec 1989³ (11) • Aug 2000 – Jul 2001² (34) 	Until Dec 1989 ³ (11)	Until Dec 1989 ³ (11)	Jan 1990 – Jul 2016
86.	Honduras ¹	Until Dec 1990 (11)	Until Dec 1988 (11)	Until Dec 1989 (11)	Jan 1990 – Jul 2016
<i>Hong Kong, SAR China: see under China</i>					

³⁸ Estimated last use of tOPV: Oct 1994

³⁹ Estimated last use of tOPV: Dec 1997

⁴⁰ 1956 predates the introduction of OPV2 in 1961 but enhanced mitigations are recommended to minimize poliovirus risk

No.	Country or area	1. WPV/VDPV potentially infectious material dates			2. OPV2/nOPV2/Sabin2 potentially infectious material dates (Must mitigate now)
		WPV1/cVDPV1	WPV2/cVDPV2 (Must contain now)	WPV3/cVDPV3 (Must contain now)	
87.	Hungary ²⁶	Until Mar 1969 (5, 8)	Until Dec 1959 (5)	Until Dec 1959 (5)	Jan 1960 – Mar 2007 ⁵
88.	Iceland	Until Dec 1960 (5, 8)	Until Dec 1960 (5, 8)	Until Dec 1960 (5, 8)	Never used
89.	India ⁴¹	• Until Jan 2011 (1)	• Until Dec 1999 (16) • Jun 2009 – Jan 2010 ² (1)	Until Oct 2010 (1)	• Nov 2010 – Mar 2017 • Jan 2018 – Dec 2018 ⁴²
90.	Indonesia ¹	• Until Dec 1995 ³ (17) • Jan 2004 – Dec 2006 (1, 16, 32) • Nov 2018 – Feb 2019 ² (1)	Until Dec 1995 ³ (17)	Until Dec 1995 ³ (17)	Jan 1996 – Jul 2016
91.	Iran ¹ (Islamic Republic of)	• Until Dec 1997 (3) • Jan 2000 – Dec 2000 (43) • Apr 2019 – May 2019 ¹¹ (1)	• Until Jun 1994 (3) • Sep 2020 ¹⁵ – ongoing (1)	Until May 1998 (3)	Jun 1998 – Jul 2016
92.	Iraq ¹	• Until Jan 2000 (44) • Feb 2014 – Apr 2014 (1)	Until Dec 1995 (3)	Until Dec 1995 (45)	Jan 1996 – Jul 2016
93.	Ireland ⁴³	Until Dec 1982 (5, 8)	Until Dec 1982 (8)	Until Dec 1982 (8)	Jan 1983 – Sep 2001
94.	Israel ¹⁰	• Until Oct 1988 (5) • May 2013 – Apr 2014 (5)	Until Dec 1978 (5)	Until Aug 1986 (5)	Sep 1986 – Mar 2004
95.	Italy ⁴⁴	Until Mar 1982 (5, 8)	Until Mar 1980 (5)	Until May 1976 (5)	Apr 1980 – Oct 2003
<i>Ivory Coast: see Côte d'Ivoire</i>					
96.	Jamaica ¹	Until Dec 1982 ³ (11)	Until Dec 1982 ³ (11)	Until Dec 1982 ³ (11)	Jan 1984 – Jul 2016
97.	Japan ¹²	Until Dec 1980 (12)	Until Dec 1962 (12)	Until Dec 1993 ¹⁴ (12)	Jan 1994 – Dec 2012
98.	Jordan ¹	Until Dec 1994 ³ (3, 46)	Until Dec 1994 ³ (3, 46)	Until Dec 1994 ³ (46)	Jan 1995 – Jul 2016
99.	Kazakhstan ¹	Until Dec 1995 ³ (47)	Until Dec 1995 ³ (47)	Until Dec 1995 ³ (47)	Jan 1996 – Jul 2016
100.	Kenya ¹	• Until Dec 1995 ³ (35) • Aug 2006 – Nov 2006 (1) • Feb 2009 – Jul 2009 (1) • Apr 2013 – Jul 2013 (1)	• Until Dec 1995 ³ (35) • May 2012 – Aug 2012 ² (1) • Mar 2018 – Dec 2019 ² (1) • Nov 2020 ¹⁵ – ongoing (1)	Until Dec 1995 ³ (35)	• Jan 1996 – Apr 2012 • Sep 2012 – July 2016

⁴¹ Use of tOPV continued post-switch until Dec 2016; OPV2 contamination of bOPV discovered in October 2018

⁴² Estimated dates of OPV2-contaminated bOPV use

⁴³ Estimated last use of tOPV: Jun 2001

⁴⁴ Estimated last use of tOPV: Jul 2003

No.	Country or area	1. WPV/VDPV potentially infectious material dates			2. OPV2/nOPV2/Sabin2 potentially infectious material dates (Must mitigate now)
		WPV1/cVDPV1	WPV2/cVDPV2 (Must contain now)	WPV3/cVDPV3 (Must contain now)	
101.	Kiribati ¹	Until Dec 1997 ⁴⁵ (12)	Until Dec 1991 ⁴⁶ (12)	Until Dec 1993 ¹³ (12)	Jan 1994 – Jul 2016
<i>Korea: see Democratic People's Republic of Korea, and Republic of Korea</i>					
102.	Kuwait ¹	Until Dec 1985 ³ (48)	Until Dec 1985 ³ (48)	Until Dec 1985 ³ (48)	Jan 1986 – Jul 2016
103.	Kyrgyzstan ¹	Until Jun 1992 (5, 8)	Until Jun 1992 (5, 8)	Until Dec 1993 (5, 8)	Jan 1994 – Jul 2016
104.	Lao People's Democratic Republic ¹	<ul style="list-style-type: none"> • Until Dec 1996 (12) • Sep 2015 – Jan 2016² (1) 	Until Dec 1993 (12)	Until Dec 1992 (12)	Jan 1994 – Jul 2016
105.	Latvia ²⁶	Until Dec 1962 ³ (8)	Until Dec 1962 ³ (8)	Until Dec 1962 ³ (8)	Jan 1963 – Mar 2007
106.	Lebanon ¹	Until Dec 1994 ³ (3, 46)	Until Dec 1994 ³ (46)	Until Dec 1994 ³ (46)	Jan 1995 – Jul 2016
107.	Lesotho ¹	Until Dec 1998 ³ (49)	Until Dec 1998 ³ (49)	Until Dec 1998 ³ (49)	Jan 1999 – Jul 2016
108.	Liberia ¹	<ul style="list-style-type: none"> • Until Dec 1999³ (24) • Apr 2009 – Sep 2010 (1) 	<ul style="list-style-type: none"> • Until Dec 1999³ (24) • Nov 2019 – ongoing² 	Until Dec 1999 ³ (24)	Jan 2000 – Jul 2016
109.	Libya ¹	Until Dec 1991 ³ (50)	Until Dec 1991 ³ (50)	Until Dec 1991 ³ (50)	Jan 1992 – Jul 2016
110.	Lithuania ⁴⁷	Until Dec 1972 ³ (8)	Until Dec 1972 ³ (8)	Until Dec 1972 ³ (8)	Jan 1973 – Feb 2007
111.	Luxembourg ⁴⁸	Until Dec 1963 ³ (8)	Until Dec 1963 ³ (8)	Until Dec 1963 ³ (8)	Jan 1964 – Mar 1999
<i>Macao, SAR China: see under China</i>					
<i>Macedonia: see North Macedonia</i>					
112.	Madagascar ¹	<ul style="list-style-type: none"> • Until Dec 1997 (51) • Sep 2014² (1) • Apr 2015 – Aug 2015² (1) 	<ul style="list-style-type: none"> • Until Dec 1995 (19) • Oct 2001 – Apr 2002² (52) • Jun 2005 – Sep 2005² (53) 	<ul style="list-style-type: none"> • Until Dec 1995 (19) • Apr 2005 – May 2005² (53) 	<ul style="list-style-type: none"> • Jan 1996 – Sep 2001 • May 2002 – Mar 2005 • Oct 2005 – Jul 2016
113.	Malawi ¹	Until Dec 1991 ³ (19)	Until Dec 1991 ³ (19)	Until Dec 1991 ³ (19)	Jan 1992 – Jul 2016
114.	Malaysia ⁴⁹	<ul style="list-style-type: none"> • Until Dec 1986³ (54) • Apr 1992 (55) • Jun 2019 – ongoing² 	<ul style="list-style-type: none"> • Until Dec 1986³ (54) • Jun 2019 – ongoing² 	Until Dec 1986 ³ (54)	Jan 1987 – Mar 2016
115.	Maldives ¹	Until Dec 1981 ³ (9, 16)	Until Dec 1981 ³ (9, 16)	Until Dec 1981 ³ (9, 16)	Jan 1982 – Jul 2016

⁴⁵ Year of the last WPV1 case in the Western Pacific Region

⁴⁶ Year of the last WPV2 case in the Western Pacific Region

⁴⁷ Estimated last use of tOPV: Nov 2006

⁴⁸ Estimated last use of tOPV: Dec 1998

⁴⁹ Estimated last use of tOPV: Dec 2015

No.	Country or area	1. WPV/cVDPV potentially infectious material dates			2. OPV2/nOPV2/Sabin2 potentially infectious material dates (Must mitigate now)
		WPV1/cVDPV1	WPV2/cVDPV2 (Must contain now)	WPV3/cVDPV3 (Must contain now)	
116.	Mali ¹	<ul style="list-style-type: none"> • Until Jan 1999³ (56) • Apr 2004 – May 2005 (1) • Aug 2008 – May 2010 (1) 	<ul style="list-style-type: none"> • Until Jan 1998⁵⁰ (7) • Feb 2020 – <i>ongoing</i>² (1) 	<ul style="list-style-type: none"> • Until Jan 1999³ (56) • Sep 2010 – Jun 2011 (1) 	<ul style="list-style-type: none"> • Feb 1999 – Aug 2010 • Jul 2011 – Jul 2016
117.	Malta ⁵¹	Until Dec 1964 ³ (8, 57)	Until Dec 1964 ³ (8, 57)	Until Dec 1964 ³ (8, 57)	Jan 1965 – Dec 2010
118.	Marshall Islands ⁵¹	Until Dec 1976 ³ (12)	Until Dec 1976 ³ (12)	Until Dec 1976 ³ (12)	Jan 1977 – Dec 2010
<i>Martinique: see under France</i>					
119.	Mauritania ¹	<ul style="list-style-type: none"> • Until Dec 1999³ (58) • Oct 2009 – Apr 2010 (1) 	Until Dec 1999 ³ (58)	Until Dec 1999 ³ (58)	Jan 2000 – Jul 2016
120.	Mauritius ¹	Until Dec 1970 ³ (14)	Until Dec 1970 ³ (14)	Until Dec 1970 ³ (14)	Jan 1971 – Jul 2016
121.	Mexico ⁵²	Until Dec 1987 ³ (11)	Until Dec 1987 ³ (11)	Until Dec 1990 (59)	Jan 1991 – May 2016
122.	Micronesia ⁵³ (Federated States of)	Until Dec 1979 ³ (12)	Until Dec 1979 ³ (12)	Until Dec 1979 ³ (12)	Jan 1980 – Dec 2013
<i>Moldova: See Republic of Moldova</i>					
123.	Monaco ³⁵	Until Dec 1964 ³ (8)	Until Dec 1964 ³ (8)	Until Dec 1964 ³ (8)	Jan 1965 – Sep 1999
124.	Mongolia ¹	Until Dec 1993 ³ (12)	Until Dec 1993 ³ (12)	Until Dec 1993 ³ (12)	Jan 1994 – Jul 2016
125.	Montenegro ⁴⁹	Until Oct 1996 (5, 8)	Until Oct 1996 (5, 8)	Until Oct 1996 (5, 8)	Nov 1996 – Mar 2016
<i>Montserrat: see under the United Kingdom of Great Britain and Northern Ireland</i>					
126.	Morocco ¹	Until Nov 1989 (3)	Until Dec 1979 ³ (14)	Until Dec 1979 ³ (14)	Jan 1980 – Jul 2016
127.	Mozambique ⁵⁴	<ul style="list-style-type: none"> • Until Dec 1993³ (19) • Feb 2011 – Jun 2011² (1) 	<ul style="list-style-type: none"> • Until Dec 1993³ (19) • Oct 2018 – Dec 2018 (1) 	Until Dec 1993 ³ (19)	<ul style="list-style-type: none"> • Jan 1994 – Aug 2017²⁸ • Mar 2019 – Oct 2019
128.	Myanmar ¹	<ul style="list-style-type: none"> • Until Dec 2000³ (59) • Jan 2007 – Dec 2007 (1, 16) • May 2019 – Aug 2019² (1) 	<ul style="list-style-type: none"> • Until Dec 1999⁸ (16, 17) • Jan 2015 – Dec 2015² (1, 16) 	Until Dec 2000 ³ (59)	<ul style="list-style-type: none"> • Jan 2001 – Dec 2014 • Jan 2016 – Jul 2016
129.	Namibia ¹	<ul style="list-style-type: none"> • Until Dec 1995³ (19) • May 2006 – Jun 2006 (1) 	Until Dec 1995 ³ (19)	Until Dec 1995 ³ (19)	Jan 1996 – Jul 2016

⁵⁰ Year of the last WPV2 case in the African Region

⁵¹ Estimated last use of tOPV: Sep 2010

⁵² Estimated last use of tOPV: Dec 2006; SIA with tOPV in Feb 2016

⁵³ Estimated last use of tOPV: Sep 2013

⁵⁴ Last use of tOPV: Apr 2016; mOPV2 SIAs: Feb 2017 – May 2017; Mar 2019 – Jul 2019

No.	Country or area	1. WPV/VDPV potentially infectious material dates			2. OPV2/nOPV2/Sabin2 potentially infectious material dates (Must mitigate now)
		WPV1/cVDPV1	WPV2/cVDPV2 (Must contain now)	WPV3/cVDPV3 (Must contain now)	
130.	Nauru ¹	Until Dec 1939 ³ (12)	Until Dec 1939 ³ (12)	Until Dec 1939 ³ (12)	Jan 1940 – Jul 2016 ⁵⁵
131.	Nepal ¹	<ul style="list-style-type: none"> • Until Dec 2000³ (59) • Jan 2005 – Dec 2006 (1, 16) • Jan 2010 – Dec 2010 (1, 16) 	Until Dec 1999 ⁸ (16)	<ul style="list-style-type: none"> • Until Dec 2000³ (59) • Jan 2007 – Dec 2008 (1, 16) 	<ul style="list-style-type: none"> • Jan 2001 – Dec 2006 • Jan 2009 – Jul 2016
132.	Netherlands ⁵⁶	Until Nov 1992 (5)	Until Sep 1983 (5, 60)	Until Aug 1993 (5, 8)	None
133.	Aruba ¹	Until Dec 1981 ³ (11)	Until Dec 1981 ³ (11)	Until Dec 1981 ³ (11)	Jan 1982 – Jul 2016
134.	Curaçao ¹	Until Dec 1981 ³ (11)	Until Dec 1981 ³ (11)	Until Dec 1981 ³ (11)	Jan 1982 – Jul 2016
135.	Sint Maarten ¹	Until Dec 1968 ³ (11)	Until Dec 1968 ³ (11)	Until Dec 1968 ³ (11)	Jan 1969 – Jul 2016
<i>New Caledonia: see under France</i>					
136.	New Zealand ⁵⁷	Until Dec 1962 ³ (61)	Until Dec 1962 ³ (61)	Until Dec 1962 ³ (61)	Jan 1963 – May 2002
137.	Nicaragua ¹	Until Dec 1981 ³ (11)	Until Dec 1981 ³ (11)	Until Dec 1981 ³ (11)	Jan 1982 – Jul 2016
138.	Niger ⁵⁸	Until Nov 2012 (1)	<ul style="list-style-type: none"> • Until Dec 1984 (9) • Jul 2018 – Dec 2019² (1) • Feb 2020 – ongoing² (1) 	Until Jan 2011 (1)	Feb 2011 – Jun 2018 ⁵⁹
139.	Nigeria ⁶⁰	Until Sep 2016 (1)	<ul style="list-style-type: none"> • Until Dec 1998 (7) • Feb 2010 – Nov 2016² (1) • Jan 2018 – ongoing (1) 	Until Nov 2012 (1)	Jun 2015 – Dec 2017
140.	Niue ⁶¹	Until Dec 1959 ³ (12)	Until Dec 1959 ³ (12)	Until Dec 1959 ³ (12)	Jan 1960 – Dec 2004 ⁵
141.	North Macedonia ¹	Until Feb 1987 (5, 8)	Until Feb 1987 (5, 8)	Until Feb 1987 (5, 8)	Mar 1987 – Jul 2016
<i>Northern Mariana Islands: see under the United States of America</i>					
142.	Norway ⁶²	Until Dec 1969 (8, 62)	Until Dec 1960 (5)	Until Dec 1962 (5)	Jan 1963 – Mar 1981

⁵⁵ 1940 predates the introduction of OPV2 in 1961 but enhanced mitigations are recommended to minimize poliovirus risk

⁵⁶ tOPV only used in SIA Sep 1992 – Feb 1993

⁵⁷ Estimated last use of tOPV: Feb 2002

⁵⁸ Last use of tOPV: Apr 2016; mOPV2 SIAs: Dec 2016 – Jan 2017; Oct 2018 – Aug 2019

⁵⁹ Aug 2016 – Nov 2016 and May 2017 – Jun 2018 predate mOPV2 use but enhanced mitigations are recommended to minimize poliovirus risk

⁶⁰ Last use of tOPV: Apr 2016; mOPV2 SIAs: May 2016 – ongoing

⁶¹ Estimated last use of tOPV: Sep 2004

⁶² Estimated last use of tOPV: Dec 1980

No.	Country or area	1. WPV/VDPV potentially infectious material dates			2. OPV2/nOPV2/Sabin2 potentially infectious material dates (Must mitigate now)
		WPV1/cVDPV1	WPV2/cVDPV2 (Must contain now)	WPV3/cVDPV3 (Must contain now)	
143.	occupied Palestinian territory, including east Jerusalem ¹	Until Dec 1988 (3)	Until Dec 1997 ⁶³ (3)	Until Apr 2010 (3)	Jan 2011 – Jul 2016
144.	Oman ¹	Until Dec 1993 (3)	Until Dec 1997 ⁶³ (3)	Until Oct 1991 (3)	Jan 1998 – Jul 2016
145.	Pakistan ⁶⁴	Endemic (1)	<ul style="list-style-type: none"> • Until Apr 1997 (3) • Aug 2012 – Dec 2016² (1) • Jun 2019 – ongoing² (1) 	Until Apr 2012 (3)	<ul style="list-style-type: none"> • May 2012 – Jul 2012 • Jan 2017 – Jun 2017
146.	Palau ⁶⁵	Until Dec 1949 ³ (12)	Until Dec 1949 ³ (12)	Until Dec 1949 ³ (12)	Jan 1950 – Mar 2012 ⁶⁶
147.	Panama ¹	Until Dec 1972 ³ (11)	Until Dec 1972 ³ (11)	Until Dec 1972 ³ (11)	Jan 1973 – Jul 2016
148.	Papua New Guinea ¹	<ul style="list-style-type: none"> • Until Dec 1994³ (12) • Apr 2018 – Dec 2019² (1) 	Until Dec 1994 ³ (12)	Until Dec 1994 ³ (12)	Jan 1995 – Jul 2016
149.	Paraguay ¹	Until Dec 1985 ³ (11)	Until Dec 1985 ³ (11)	Until Dec 1985 ³ (11)	Jan 1986 – Jul 2016
150.	Peru ¹	Until Aug 1991 (11)	Until Dec 1989 (11)	Until Dec 1990 (11)	Jan 1991 – Jul 2016
151.	Philippines ¹	<ul style="list-style-type: none"> • Until May 1993 (12) • Mar 2001 – Sep 2001² (63) • Jul 2019 – ongoing² (1) 	<ul style="list-style-type: none"> • Until Dec 1991⁴⁶ (12) • Jun 2019 – ongoing² (1) 	Until Mar 1993 (12)	Jan 1994 – Jul 2016
<i>Pitcairn Islands: see under the United Kingdom of Great Britain and Northern Ireland</i>					
152.	Poland ¹	Until Aug 1984 (5, 8)	Until Dec 1982 (5)	Until Dec 1980 (5)	Jan 1983 – Jul 2016
153.	Portugal ⁶⁷	Until Dec 1986 (8)	Until Dec 1961 (5)	Until Dec 1972 (5)	Jan 1973 – Mar 2006
<i>Puerto Rico: see under the United States of America</i>					
154.	Qatar ¹	Until Dec 1990 ³ (3, 50)	Until Dec 1997 ⁶³ (3)	Until Dec 1990 ³ (50)	Jan 1998 – Jul 2016
155.	Republic of Korea ⁶⁷	Until Dec 1983 ³ (12)	Until Dec 1983 ³ (12)	Until Dec 1983 ³ (12)	Jan 1984 – Mar 2006
156.	Republic of Moldova ¹	Until Jun 1991 (5, 8)	Until Jun 1991 (5, 8)	Until Dec 1983 (5)	Jul 1992 – Jul 2016
<i>Réunion Island: see under France</i>					

⁶³ Year of the last WPV2 case in the Eastern Mediterranean Region

⁶⁴ Last use of tOPV: Apr 2016; mOPV2 SIAs: Jan 2017 – Mar 2017

⁶⁵ Estimated last use of tOPV: Dec 2011

⁶⁶ 1950 predates the introduction of OPV2 in 1961 but enhanced mitigations are recommended to minimize poliovirus risk

⁶⁷ Estimated last use of tOPV: Dec 2005

No.	Country or area	1. WPV/VDPV potentially infectious material dates			2. OPV2/nOPV2/Sabin2 potentially infectious material dates (Must mitigate now)
		WPV1/cVDPV1	WPV2/cVDPV2 (Must contain now)	WPV3/cVDPV3 (Must contain now)	
157.	Romania ⁶⁸	Until Jul 1992 (5, 40)	Until Apr 1980 (5)	Until Apr 1980 (5)	May 1980 – Jul 2009
158.	Russian Federation ¹	<ul style="list-style-type: none"> • Until Dec 1995 (8, 65) • Apr 2010 – Oct 2010 (5) 	Until Dec 1960 (5)	Until Dec 1982 (5)	Jan 1983 – Jul 2016
159.	Rwanda ¹	Until Dec 1995 ³ (35)	Until Dec 1995 ³ (35)	Until Dec 1995 ³ (35)	Jan 1996 – Jul 2016
<i>Saint Helena: see under the United Kingdom of Great Britain and Northern Ireland</i>					
160.	Saint Kitts and Nevis ¹	Until Dec 1969 (11)	Until Dec 1968 ³ (11)	Until Dec 1968 ³ (11)	Jan 1969 – Jul 2016
161.	Saint Lucia ¹	Until Dec 1970 ³ (11)	Until Dec 1970 ³ (11)	Until Dec 1970 ³ (11)	Jan 1971 – Jul 2016
162.	Saint Vincent and the Grenadines ¹	Until Dec 1971 ³ (11)	Until Dec 1977 (11)	Until Dec 1971 ³ (11)	Jan 1978 – Jul 2016
163.	Samoa ¹	Until Dec 1989 ³ (12)	Until Dec 1989 ³ (12)	Until Dec 1989 ³ (12)	Jan 1990 – Jul 2016
164.	San Marino ⁴⁴	Until Dec 1963 ³ (8)	Until Dec 1963 ³ (8)	Until Dec 1963 ³ (8)	Jan 1964 – Oct 2003
165.	Sao Tome and Principe ¹	Until Dec 1983 ³ (9)	Until Dec 1983 ³ (9)	Until Dec 1983 ³ (9)	Jan 1984 – Jul 2016
166.	Saudi Arabia ¹	Until Dec 1995 ³ (3, 50)	Until Apr 1993 (3, 50)	Until Dec 1995 ³ (50)	Jan 1996 – Jul 2016
167.	Senegal ¹	<ul style="list-style-type: none"> • Until Dec 1999³ (42) • Jan 2010 – Apr 2010 (1) 	Until Dec 1999 ³ (42)	Until Dec 1999 ³ (42)	Jan 2000 – Jul 2016
168.	Serbia ¹	Until Oct 1996 (5, 47)	Until Oct 1996 (5, 47)	Until Oct 1996 (5, 47)	Nov 1996 – Jul 2016
169.	Seychelles ¹	Until Dec 1965 ³ (14)	Until Dec 1965 ³ (14)	Until Dec 1965 ³ (14)	Jan 1966 – Jul 2016
170.	Sierra Leone ¹	<ul style="list-style-type: none"> • Until Dec 2000³ (15) • Jul 2009 – Feb 2010 (1) 	<ul style="list-style-type: none"> • Until Dec 2000³ (15) • Oct 2020 – ongoing² 	Until Dec 2000 ³ (15)	Jan 2001 – Jul 2016
171.	Singapore ¹	Until May 1978 (12, 66)	Until Dec 1971 (12)	Until Dec 1973 (67)	Jan 1974 – Jul 2016
172.	Slovakia ⁶⁹	Until Feb 1960 (5, 8)	Until Jan 1960 (5, 8)	Until Mar 1960 (5, 8)	Apr 1960 – May 2005
173.	Slovenia ⁶⁷	Until Dec 1978 (5, 8)	Until Dec 1978 (5, 8)	Until Dec 1978 (8)	Jan 1979 – Mar 2006
174.	Solomon Islands ¹	Until Dec 1971 ³ (12)	Until Dec 1971 ³ (12)	Until Dec 1971 ³ (12)	Jan 1972 – Jul 2016

⁶⁸ Estimated last use of tOPV: Apr 2009

⁶⁹ Estimated last use of tOPV: Feb 2005

No.	Country or area	1. WPV/VDPV potentially infectious material dates			2. OPV2/nOPV2/Sabin2 potentially infectious material dates (Must mitigate now)
		WPV1/cVDPV1	WPV2/cVDPV2 (Must contain now)	WPV3/cVDPV3 (Must contain now)	
175.	Somalia ⁷⁰	<ul style="list-style-type: none"> • Until Nov 2000 (3) • Jul 2005 – Aug 2014 (1) 	<ul style="list-style-type: none"> • Until Dec 1997⁶³ • Jul 2010 – Jan 2013² (1) • Oct 2017 – <i>ongoing</i>² (1) 	<ul style="list-style-type: none"> • Until Dec 1999 (42) • Mar 2001 – Oct 2002 (1) • Feb 2018 – Sep 2018² (1) 	<ul style="list-style-type: none"> • Jan 2000 – Feb 2001 • Nov 2002 – Jun 2010 • Feb 2013 – Sep 2017 ⁷¹
176.	South Africa ¹	Until Dec 1991 ³ (68)	Until Dec 1991 ³ (68)	Until Dec 1991 ³ (68)	Jan 1992 – Jul 2016
177.	South Sudan ¹	<ul style="list-style-type: none"> • Until Apr 2001 (69) • May 2004 – Dec 2009 (70) 	<ul style="list-style-type: none"> • Until Dec 1979 (14) • Sep 2014² (1) • Jun 2020 – <i>ongoing</i>² (1) 	<ul style="list-style-type: none"> • Until Dec 2001 (69) • May 2004 – Dec 2004 (69) 	<ul style="list-style-type: none"> • Jan 2002 – Apr 2004 • Jan 2005 – Aug 2014 • Oct 2014 – Jul 2016
178.	Spain ⁷²	Until Mar 1988 (5, 8)	Until Dec 1987 (5)	Until Jul 1985 (5)	Jan 1988 – Jun 2004
179.	Sri Lanka ¹	Until Dec 1993 ³ (71)	Until Dec 1993 ³ (16)	Until Dec 1985 (9, 16)	Jan 1994 – Jul 2016
180.	Sudan ¹	<ul style="list-style-type: none"> • Until Apr 2001 (3, 69) • May 2004 – Mar 2009 (3, 70) 	<ul style="list-style-type: none"> • Until Dec 2001 (15) • Mar 2020 – <i>ongoing</i>² (1) 	Until Dec 2008 (3, 70)	Jan 2009 – Jul 2016
181.	Suriname ¹	Until Dec 1982 ³ (9)	Until Dec 1982 ³ (9)	Until Dec 1982 ³ (9)	Jan 1983 – Jul 2016
182.	Sweden	Until Dec 1962 (5)	Until Dec 1977 (5, 8)	Until Dec 1962 (5)	Never used
183.	Switzerland ⁷³	Until Oct 1982 (5, 8)	Until Oct 1982 (5, 8)	Until Oct 1980 (5)	Nov 1982 – Dec 2001
184.	Syrian Arab Republic ⁷⁴	<ul style="list-style-type: none"> • Until Dec 1998 (3) • Jul 2013 – Jan 2014 (1) 	<ul style="list-style-type: none"> • Until Dec 1980³ (14) • Mar 2017 – Sep 2017² (1) 	Until Dec 1980 ³ (14)	<ul style="list-style-type: none"> • Jan 1981 – Jul 2016 • Sep 2017 – Apr 2018
185.	Tajikistan ¹	<ul style="list-style-type: none"> • Until Dec 1997³ (8, 64) • Feb 2010 – Jul 2010 (1, 74) 	<ul style="list-style-type: none"> • Until Dec 1997³ (8, 64) • Nov 2020 – <i>ongoing</i>² 	Until Dec 1997 ³ (8, 64)	Jan 1998 – Jul 2016
<i>Tanzania: see United Republic of Tanzania</i>					
186.	Thailand ¹	Until Dec 1997 (39)	Until Dec 1993 (16)	Until Dec 1995 (71)	Jan 1996 – Jul 2016
187.	Timor-Leste ¹	Until Dec 1995 ³ (17)	Until Dec 1995 ³ (17)	Until Dec 1995 ³ (17)	Jan 1996 – Jul 2016
188.	Togo ¹	<ul style="list-style-type: none"> • Until Dec 1999 (56) • Oct 2008 – Mar 2009 (1) 	<ul style="list-style-type: none"> • Until Dec 1998³ (42) • Sep 2019 – <i>ongoing</i>² (1) 	Until Dec 1998 ³ (42)	Jan 1999 – Jul 2016
189.	Tokelau ⁷⁵	Until Dec 1959 ³ (12)	Until Dec 1959 ³ (12)	Until Dec 1959 ³ (12)	Jan 1960 – Feb 2016 ⁵

⁷⁰ Last use of tOPV: Apr 2016; mOPV2 use Dec 2017 – ongoing

⁷¹ Aug 2016 – Sep 2017 predates mOPV2 use but enhanced mitigations are recommended to minimize poliovirus risk

⁷² Estimated last use of tOPV: Mar 2004

⁷³ Estimated last use of tOPV: Sep 2001

⁷⁴ Last use of tOPV: Apr 2016; mOPV2 use Jul 2017 – Jan 2018

⁷⁵ Estimated last use of tOPV: Nov 2015

No.	Country or area	1. WPV/VDPV potentially infectious material dates			2. OPV2/nOPV2/Sabin2 potentially infectious material dates (Must mitigate now)
		WPV1/cVDPV1	WPV2/cVDPV2 (Must contain now)	WPV3/cVDPV3 (Must contain now)	
190.	Tonga ¹	Until Dec 1982 ³ (12)	Until Dec 1982 ³ (12)	Until Dec 1982 ³ (12)	Jan 1983 – Jul 2016
191.	Trinidad and Tobago ¹	Until Dec 1972 ³ (11)	Until Dec 1972 ³ (11)	Until Dec 1972 ³ (11)	Jan 1973 – Jul 2016
192.	Tunisia ¹	Until Apr 1994 (3)	Until Dec 1980 (14)	Until Dec 1994 (3)	Jan 1995 – Jul 2016
193.	Turkey ¹	Until Nov 1998 (5)	Until Jul 1991 (5)	Until Aug 1998 (5, 8)	Sep 1999 – Jul 2016
194.	Turkmenistan ¹	<ul style="list-style-type: none"> • Until Jul 1996 (8) • Jun 2010 (1) 	Until Jul 1996 (5, 8)	Until Jul 1996 (5, 8)	Aug 1996 – Jul 2016
<i>Turks and Caicos Islands: see under the United Kingdom of Great Britain and Northern Ireland</i>					
195.	Tuvalu ⁷⁵	Until Dec 1936 ³ (12)	Until Dec 1936 ³ (12)	Until Dec 1936 ³ (12)	Jan 1937 – Feb 2016 ⁷⁶
196.	Uganda ¹	<ul style="list-style-type: none"> • Until Dec 1996 (49) • Jan 2009 – Nov 2010 (1) 	Until Dec 1971 ³ (72)	Until Dec 1971 ³ (72)	Jan 1972 – Jul 2016
197.	Ukraine ¹	<ul style="list-style-type: none"> • Until Dec 1996³ (8) • Jun 2015 – Jul 2015² (1) 	Until Dec 1996 ³ (8)	Until Dec 1996 ³ (8)	Jan 1997 – Jul 2016
198.	United Arab Emirates ¹	Until Apr 1992 (3, 50)	Until Dec 1980 (14, 50)	Until Dec 1992 (50)	Jan 1993 – Jul 2016
199.	United Kingdom of Great Britain and Northern Ireland ⁶¹	Until Dec 1988 (5)	Until Dec 1977 (5)	Until Dec 1976 (5)	Jan 1978 – Dec 2004
200.	Anguilla ¹	Until Dec 1961 ³ (11)	Until Dec 1961 ³ (11)	Until Dec 1961 ³ (11)	Jan 1962 – Jul 2016
201.	Bermuda ¹	Until Dec 1973 ³ (11)	Until Dec 1973 ³ (11)	Until Dec 1973 ³ (11)	Jan 1974 – Jul 2016
202.	British Virgin Islands ¹	Until Dec 1973 ³ (9)	Until Dec 1973 ³ (9)	Until Dec 1973 ³ (9)	Jan 1974 – Jul 2016
203.	Cayman Islands ¹	Until Dec 1957 (11)	Until Dec 1964 (11)	Until Dec 1965 (11)	Jan 1966 – Jul 2016
204.	Montserrat ¹	Until Dec 1976 ³ (11)	Until Dec 1976 ³ (11)	Until Dec 1976 ³ (11)	Jan 1977 – Jul 2016
205.	Pitcairn Islands ¹	Until Dec 1997 ⁴⁶	Until Dec 1991 ⁴⁷	Until Dec 1993 ¹³	Jan 1994 – Jul 2016
206.	Saint Helena ¹	Until Dec 1945 ³ (73)	Until Dec 1945 ³ (73)	Until Dec 1945 ³ (73)	Jan 1946 – Jul 2016 ⁷⁷
207.	Turks and Caicos Islands ¹	Until Dec 1978 ³ (11)	Until Dec 1978 ³ (11)	Until Dec 1978 ³ (11)	Jan 1979 – Jul 2016
208.	United Republic of Tanzania ¹	Until Dec 1996 (6)	Until Dec 1981 ³ (14)	Until Dec 1981 ³ (14)	Jan 1982 – Jul 2016

⁷⁶ 1937 predates the introduction of OPV2 in 1961 but enhanced mitigations are recommended to minimize poliovirus risk

⁷⁷ 1946 predates the introduction of OPV2 in 1961 but enhanced mitigations are recommended to minimize poliovirus risk

No.	Country or area	1. WPV/VPV potentially infectious material dates			2. OPV2/nOPV2/Sabin2 potentially infectious material dates (Must mitigate now)
		WPV1/cVDPV1	WPV2/cVDPV2 (Must contain now)	WPV3/cVDPV3 (Must contain now)	
209.	United States of America ⁷⁸	<ul style="list-style-type: none"> • Until Dec 1971 (11) • Jan 1979 – Dec 1979 (40) 	Until Dec 1965 (11)	Until Dec 1968 (11)	Jan 1969 – Mar 2000
210.	American Samoa ⁴	Until Dec 1959 ³ (12)	Until Dec 1959 ³ (12)	Until Dec 1959 ³ (12)	Jan 1960 – Mar 2005 ⁵
211.	Guam ⁷⁹	Until Dec 1964 ³ (12)	Until Dec 1964 ³ (12)	Until Dec 1964 ³ (12)	Jan 1965 – Jan 2002
212.	Northern Mariana Islands ⁴⁸	Until Dec 1969 ³ (12)	Until Dec 1969 ³ (12)	Until Dec 1969 ³ (12)	Jan 1970 – Mar 1999
213.	Puerto Rico ¹	Until Dec 1974 ³ (11)	Until Dec 1974 ³ (11)	Until Dec 1974 ³ (11)	Jan 1975 – Jul 2016
214.	US Virgin Islands ¹	Until Dec 1981 ³ (11)	Until Dec 1981 ³ (11)	Until Dec 1981 ³ (11)	Jan 1982 – Jul 2016
215.	Uruguay ⁶⁵	Until Dec 1978 ³ (11)	Until Dec 1978 ³ (11)	Until Dec 1978 ³ (11)	Jan 1979 – Mar 2012
<i>US Virgin Islands: see under the United States of America</i>					
216.	Uzbekistan ¹	<ul style="list-style-type: none"> • Until Dec 1995 (8) • Apr 2010 – May 2010 (74) 	Until Dec 1991 (5)	Until Dec 1993 (5)	Jan 1994 – Jul 2016
217.	Vanuatu ¹	Until Dec 1989 ³ (12)	Until Dec 1989 ³ (12)	Until Dec 1989 ³ (12)	Jan 1990 – Jul 2016
218.	Venezuela (Bolivarian Republic of) ¹	Until Dec 1989 (11)	Until Dec 1972 (75)	Until Dec 1988 (11)	Jan 1989 – Jul 2016
219.	Viet Nam ¹	Until Jan 1997 (12)	Until Dec 1991 (12)	Until Dec 1993 ¹³ (76)	Jan 1994 – Jul 2016
<i>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</i>					
220.	Yemen ¹	<ul style="list-style-type: none"> • Until Dec 1999³ (42) • Feb 2005 – Feb 2006 (1) • Jun 2019 – ongoing² (1) 	<ul style="list-style-type: none"> • Until Dec 1997⁶⁴ • Apr 2011 – Oct 2011² (1) 	<ul style="list-style-type: none"> • Until Dec 1999³ (42) • Apr 2012 – Aug 2012² (1) 	<ul style="list-style-type: none"> • Jan 2000 – Mar 2011 • Nov 2011 – Mar 2012 • Sep 2012 – Jul 2016
<i>Zaire: see Democratic Republic of the Congo</i>					
221.	Zambia ¹	<ul style="list-style-type: none"> • Until Dec 1995 (35) • Dec 2001 – Feb 2002 (1) 	<ul style="list-style-type: none"> • Until Dec 1983³ (9) • Jul 2019 – ongoing² (1) 	Until Dec 1983 ³ (9)	Jan 1984 – Jul 2016
222.	Zimbabwe ¹	Until Dec 1999 (24)	Until Dec 1989 ³ (19)	Until Dec 1989 ³ (19)	Jan 1990 – Jul 2016

⁷⁸ Estimated last use of tOPV: Dec 1999

⁷⁹ Estimated last use of tOPV: Oct 2001

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