

Polio this week as of 27 July

Country or territory ³	Wild virus type 1 confirmed cases								
	Full year total						01 Jan-26 Jul ¹		Date of most recent case
	2016	2017	2018	2019	2020	2021	2021	2022	
Pakistan	20	8	12	147	84	1	1	13	20-Jun-22
Afghanistan	13	14	21	29	56	4	1	1	14-Jan-22
Mozambique	0	0	0	0	0	0	0	4	10-Jun-22
Malawi	0	0	0	0	0	1	0	0	19-Nov-21
Iran	0	0	0	0	0	0	0	0	NA
Nigeria ³	4	0	0	0	0	0	0	0	21-Aug-16
Total (Type1)	37	22	33	176	140	6	2	18	
Tot. in endemic countries	37	22	33	176	140	5	2	14	
Tot. in non-end countries	0	0	0	0	0	1	0	4	
No. of countries (infected)	3	2	2	2	2	3	2	3	
No. of countries (endemic)	2 ³	2 ³	3	3	3	2	2	2	
Total Female	13	7	18	72	59	2	0	6	
Total Male	24	15	15	104	81	4	2	12	

Wild Polio Virus Summary:

- The number of wild polio cases for **2022** as of July 27, 2022 is **18**. There was 1 in Afghanistan, 13 in Pakistan, and 4 in Mozambique.

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- The total number of wild polio cases in **2021** were **6**. There was 1 in Pakistan, 1 in Malawi, and 4 in Afghanistan.
 - The total number of wild polio cases in **2020** were **140**. There were 84 in Pakistan and 56 in Afghanistan.
 - The total number of wild polio cases in **2019** were **176**. There were 147 in Pakistan and 29 in Afghanistan.
 - **New wild poliovirus isolates reported this week:**
 - AFP cases: 4
 - Environment: 0
 - Others: 0

New cVDPV isolates reported this week:

- AFP cases 7
- Environment: 1
- Others: 0

Headlines:-

- Last week, a polio case was detected in New York, USA. The CDC has been coordinating with New York State health authorities on their investigations and response. Any form of poliovirus anywhere in the world is a threat to countries everywhere. **More.**
- In Mozambique, three new wild poliovirus type 1 (WPV1) cases are reported this week, including one case from a district bordering Zimbabwe. See 'Mozambique' section below, for more information.
- "Women front line workers in Pakistan have resolved to reach all children with polio vaccine, even if it means crossing difficult terrain. As a polio gender champion, I urge all parents and caregivers to vaccinate their children and end polio once and for all." Amanda Milling, UK Minister for Asia and the Middle East and Polio Gender Champion. **Read more...**
- Analysis of 2021 data: In 2021, more than 372 million children were vaccinated multiple times in 30 countries, using more than 1 billion doses of OPV.
- **Summary of new polioviruses this week:**
 - Pakistan: one WPV1 case
 - Benin: one cVDPV2 positive environmental sample
 - Chad: one cVDPV2 case
 - DR Congo: one cVDPV2 case

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- Madagascar: three cVDPV1 cases
 - Mozambique: three WPV1 cases and two cVDPV1 cases

[Afghanistan:](#)

- **No new wild poliovirus type 1 (WPV1) or circulating vaccine-derived poliovirus type 2 (cVDPV2) cases were reported this week.** There is one WPV1 case reported in 2022 and four in 2021. The total number of cVDPV2 cases remains 43.

[Pakistan:](#)

- **One WPV1 case was reported in Khyber Pakhtunkhwa province bringing the number of 2022 WPV1 cases to 13. In 2021,** the number of WWPV1 cases was one and the number of cVDPV2 cases was eight.

[Mozambique:](#)

- **Three** new WPV1 cases were reported this week from Tete province (the same province as the first WPV1 case with onset of paralysis in March, which was reported in May), with onset of paralysis in May and June 2022. One of the new cases is reported from a district bordering Zimbabwe. This brings the total number of cases in the country to four. Reporting of these new cases within a short time span indicates that intensified surveillance efforts are working in the province.
- Two of the three new viruses are more closely linked with the WPV1 isolated from the first case of Mozambique with onset in March 2022 from the same province, indicating local circulation of WPV1 within the province and probably the country. However, the WPV1 found in Magoé district (close to the Zimbabwe and Zambia borders), is an orphan virus which is more closely related to the virus found earlier in Malawi. Genetic analysis further indicates that there are clearly at least two transmission chains that are co-evolved after introduction of the virus in Tete province in Mozambique. While it is difficult to speculate, distribution of WPV1 and their genetic linkage suggests that missed transmission in bordering areas around Mozambique-Zimbabwe-Zambia cannot be ruled out.
- Mozambique has implemented three immunization rounds using bOPV since the detection of the first case from March. Assessments of these rounds show gradual

improvements in quality, round to round, though quality remains suboptimal in Tete province.

- A field investigation is ongoing in response to these latest cases, with focus on surveillance and to more clearly assess geographical scope of circulation, and to ultimately guide future response plans
- Two cases of circulating vaccine-derived poliovirus type 1 (cVDPV1) were reported; one each in Nampula and Zambezia. These cases are linked to each other and part of a new emergence. The case from Nampula had an onset of paralysis in January 2020 and the one in Zambezia in May 2022, making it the first cVDPV1 case in the country this year.

Officially reported WPV1 and cVDPV cases as of 26 July 2022

Wild poliovirus (WPV)

- **Total global WPV1 cases in 2022: 18** (compared with 2 for the same period in 2021)
Total global WPV1 cases in 2021: 6

Circulating vaccine-derived poliovirus (cVDPV) cases

- **Total global cVDPV cases in 2022: 187** (compared with 179 for the same period in 2021)
- **Total global cVDPV cases in 2021: 698**