



Rotary district 5130

PolioPlus Weekly Update

15 February, 2023



Note: This update is going out to all District 5130 Presidents, Presidents-Elect, Presidents-Nominees, Club Foundation Chairs and others who have requested to be on the mailing list

😊. However, If you wish to no longer receive these updates, please let me know and I'll remove you from the list.

Greetings Polio Warriors:

- **WILD POLIO VIRUS, TYPE 1 (WPV1) - ONCE AGAIN, NO NEW CASES of Wild Polio Virus Type 1** anywhere in the world, now for the last 22 weeks.

ONE HUNDRED & FIFTY-THREE - The number of days since the last case of WPV1 occurred in Pakistan (September 15th, 2022).

ONE HUNDRED & SIXTY-NINE - The number of days since the last case of WPV1 occurred in Afghanistan (August 29th, 2022).

ONE HUNDRED & EIGHTY-NINE — The number of days since the last case of WPV1 occurred in Mozambique (August 10th, 2022).

FOUR HUNDRED & FIFTY-THREE — (ONE YEAR +) - The number of days since the last case of WPV1 occurred in Malawi (November 19th, 2021).

FORTY-SIX - The number of days without any WPV1 cases reported for the year **2023**.

THIRTY - The total number of WPV1 cases that occurred in **2022** (2 in Afghanistan, 8 in Mozambique and 20 in Pakistan).

SIX - The total number of WPV1 cases that occurred in **2021** (1 in Pakistan, 1 in Malawi and 4 in Afghanistan).

ONE HUNDRED & FORTY - The total number of WPV1 cases that occurred in **2020**.

There were, however, **2 WPV1 Positive Environmental Samples** reported this last week, one in Nangarhar, Afghanistan and the other in Kunar, Afghanistan. **So the 2023 total increases to 9 Positive Wild Samples to date (7 in Afghanistan and 2 in Pakistan)**. The total count of Positive Wild Environmental Samples for **2022 remains at 63 (41 in Pakistan and 22 in Afghanistan)**

- **CIRCULATING VACCINE-DERIVED POLIO** - On our other battlefield in the war on polio, the circulating Vaccine-Derived Polio, there were **18 new cases of CVDP2** reported this last week compared to 34 total cases the week before. 7 were from

Chad, 6 in DR Congo, 4 from Nigeria and one from Indonesia. However, 16 occurred in 2022 bringing the **2022 year to date case totals to 716**. The **2023 count increased by 2, bringing the 2023 count to 3**.

There were also 11 **Positive Vaccine Derived Environmental Samples (ES)** collected, 10 in Yemen and one in Benin. Both were Type 2. However since they were all collected in 2022, it brings the **2022 total number of Positive Vaccine Derived Environmental Samples (ES) to 356 for the year**. None have been reported yet as being collected in 2023.

- **TECHNICAL ADVISORY GROUPS (TAG'S)**. Technical advisory groups review progress towards polio eradication at country or sub-regional level and give technical advice on local strategy, priorities and program operations. They make recommendations on actions required to achieve success and review implementation of previous recommendations.

In October 2022, the Technical Advisory Group (TAG) for Afghanistan and Pakistan met in Muscat, Oman, to conduct a thorough review of ongoing polio eradication efforts in these two remaining polio endemic countries. During the 6-day meeting they also provided strategic technical guidance on steering efforts towards successful interruption of the poliovirus in both countries in 2023. In a January 16th report from GPEI, here's some of what the TAG group found:

- **Members noted the high level of sustained political commitment to polio in both countries.**
 - In Afghanistan, since the political transition, nationwide campaigns have allowed the polio program access to almost 10 million children, 3.5 million of whom were previously inaccessible.
 - In Pakistan, intensified vaccination activities and strategic approaches were used to reach missed children in spite of floods that affected almost 33 million people.
- **Remarkable improvements in epidemiology in Afghanistan and Pakistan provide a window of opportunity for interrupting transmission of wild poliovirus.**
 - In Pakistan, the virus is endemic only in the southern districts of Khyber Pakhtunkhwa province.
 - in Afghanistan both cases have been reported from the eastern region. However, no cross-border transmission was recorded in 2022
- **In addition to the limited geographical spread, the biodiversity of the genetic clusters is also at an all-time low:**
 - In Afghanistan, down from 8 in 2020 to **2** in 2022.
 - In Pakistan, down from 11 in 2020 to **one** in 2022.
- **There has been no detection of circulating vaccine-derived poliovirus type 2 (cVDPV2) in either country in the last year.**

- In Afghanistan, the last case of cVDPV2 had onset of paralysis on 9 July, 2021.
- In Pakistan, the last case of cVDPV2 had onset of paralysis on 23 April, 2021.

To read the complete report from GPEI's website, go to [Report on TAG findings](#).

- **THAT'S IT FOR THIS WEEK FOLKS.** Hang in there and, as always, continue to keep Ukraine in your thoughts, along with polio.

Bob and Greg

Your Big West "End Polio Now" Coordinators

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Poliovirus Weekly Update 15 February, 2023, World Health Organization

You will see below, that the number of wild polio cases for 2023 as of February 15th is Zero.

You will also see that the 2022 count remains at 30 (2 in Afghanistan, 20 in Pakistan and 8 in Mozambique).

The total number of wild polio cases in **2021** were **6** (1 in Pakistan, 1 in Malawi and 4 in Afghanistan).

The total number of wild polio cases in **2020** were **140** (84 in Pakistan and 56 in Afghanistan).

The total number of wild polio cases in **2019** were **176** (147 in Pakistan and 29 in Afghanistan).

Note: Polio "Acronyms". For a complete list go to

<https://polioeradication.org/acronyms/>

AFP = Acute Flaccid Paralysis

cVDPV = Circulating Vaccine Derived Poliovirus (a 1 or 2 behind it denotes the polio type...ie cVDPV2)

nOPV2 = novel Oral Polio Vaccine Type 2

WPV1 = Wild Poliovirus, Type 1

ES = Positive Environmental Samples

New WPV1 & cVDPV cases & positive ES samples reported last week

New wild poliovirus isolates (WPV1) reported last week:

Acute Flaccid Paralysis (AFP) cases: 0

Positive Environmental Samples (ES): 2

New circulating Vaccine Derived Poliovirus (cVDPV) isolates reported last week:

Acute Flaccid Paralysis (AFP) cases: 18 (All occurred in 2022)

Positive Environmental Samples (ES): 11
(All Occurred in 2022)

Reported WPV1 and cVDPV cases as of 15th February, 2023

Reported Wild poliovirus (WPV) cases

- **Total global WPV1 cases in 2023: 0 (Compared to 1 for the same period in 2022)**
- **Total global WPV1 cases in 2022: 30 (Compared to 5 for the same period in 2021)**
- **Total global WPV1 cases in 2021: 6**
- **Total global WPV1 cases in 2020: 140**
- **Total global WPV1 cases in 2019: 176**

Reported Circulating vaccine-derived poliovirus (cVDPV) cases

- **Total global cVDPV cases in 2023: 1 (Compared to 7 for the same period in 2022)**
- **Total global cVDPV cases in 2022: 716 (Compared to 628 for the same period in 2021)**
- **Total global cVDPV cases in 2021: 698**
- **Total global cVDPV cases in 2020: 1,113**

Summary of new WPV and cVDPV reported last week (AFP cases and ES positives) by country. For complete details on individual countries, go to <https://polioeradication.org/polio-today/polio-now/this-week/>

For more extensive information on endemic and outbreak countries, go to <https://polioeradication.org/where-we-work/polio-outbreak-countries/>

- Afghanistan: two WPV1 positive environmental samples
- Algeria: one cVDPV2 case
- Chad: two cVDPV2 cases
- DRC: eight cVDPV1 cases, 22 cVDPV2 cases and one cVDPV2 positive environmental sample
- Mali: one cVDPV2 case
- Nigeria: two cVDPV2 positive environmental samples