



# Rotary District 5130

## PolioPlus Weekly Update

18 January, 2023



**Note:** This update is going out to all District 5130 Presidents, Presidents-Elect, Presidents-Nominee, Club Foundation Chairs, Polio Warriors 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 **18 weeks**.

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

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

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

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

**EIGHTEEN** - 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**.

**ONE HUNDRED & SEVENTY-SIX** - The total number of WPV1 cases that occurred in **2019**.

While the lack of new wild polio cases is encouraging, there were two WPV1 positive environmental samples collected in Nangarhar, Afghanistan on December 22nd but only now reported this week. Therefore, the total count of Positive Wild Environmental Samples for **2022 is now 63, (41 in Pakistan and 22 in Afghanistan), and Zero Positive Samples to date for 2023.**

- **CIRCULATING VACCINE-DERIVED POLIO** - Unfortunately, on our other battlefield in the war on polio, the circulating Vaccine-Derived Polio, there were **40 new cases** reported this last week, compared to 33 the week before. 35 of the cases occurred

in the Democratic Republic of the Congo (16 which were Type 1 and 19 which were Type 2). Two cases occurred in Chad and one case each occurred in Cameroon, Nigeria and Somalia, all Type 2. This brings year to date case totals to **654**. All 40 cases occurred in 2022. **DR Congo continues to remain our biggest problem, with 339 cases representing 52% of the total 654 worldwide.** WHO reports that outbreak responses to both the cVDPV1 and cVDPV2 cases continues to be intensified in the DR Congo. As of this report date, there have been no cases reported for the 2023 year so far.

There were also 3 **Positive Vaccine Derived Environmental Samples (ES)** collected, two in Zambia and one in Algeria, both were Type 2. However since they all occurred in 2022, the latest being December 12th, 2022, it brings the **2022 total number of Positive Vaccine Derived Environmental Samples (ES) to 331 for the year.** None have been reported yet as being collected in 2023.

- **THIS YEAR, THE POLIO PROGRAM IS FOCUSING ON REACHING ZERO-DOSE CHILDREN** (children who are either un- or under-immunized), in identified “consequential geographies”. But what exactly are consequential geographies, and why are they so vital to the global effort to eradicate polio? [In this explanatory video](#), long-time polio eradicator and Director for Polio Eradication at WHO’s Eastern Mediterranean Region, Dr Hamid Jafari, and others, explain more.
- **EVER SINCE THE COVID-19 PANDEMIC BROKE OUT IN 2020**, Rotarians and others have asked, “What is Rotary doing to help in fighting this terrible disease?” And although there were various press releases touting the work that Rotary, and the other GPEI partners were doing in the initial stages of the pandemic, I don’t believe there has been anything as comprehensive as the recently WHO published paper entitled “**Role of the polio network in COVID-19 vaccine delivery and essential immunization**”. Although it’s 32 pages long, it’s broken down into 5 chapters that I think you’ll find palatable (How do you eat an elephant?...one bite at a time 😊). And in the Annex beginning on page 25, the paper reports, by country in the 3 Regions of Africa, South-East Asia and the Eastern Mediterranean, highlights of specifically what polio workers have done, and are doing, in each of the 19 countries listed. I have attached a pdf copy of this report to this newsletter and I encourage you to peruse it at your leisure (with your favorite beverage, of course 🍷🍺🍹😊).
- **THAT’S IT FOR THIS WEEK FOLKS.** Hang in there and, as always, continue to keep Ukraine in your thoughts, along with polio.

Bob

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## Poliovirus Weekly Update 18 January, 2023, World Health Organization

You will see below, that the number of wild polio cases for 2023 as of January 18th is 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: 40 (All occurred in 2022)**

**Positive Environmental Samples (ES): 3 (All Occurred in 2022)**

## Reported WPV1 and cVDPV cases as of 11th January, 2023

### Reported Wild poliovirus (WPV) cases

- Total global WPV1 cases in 2023: 0 (Compared to 0 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: 0 (Compared to 6 for the same period in 2022)
- Total global cVDPV cases in 2022: 654 (Compared to 590 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 positive environmental sample
- Cameroon: one cVDPV2 case
- Chad: two cVDPV2 cases
- DR Congo: 16 cVDPV1 cases and 19 cVDPV2 cases
- Nigeria: one cVDPV2 case
- Somalia: one cVDPV2 case
- Zambia: two cVDPV2 positive environmental samples