



Rotary Zones 26 & 27

PolioPlus Weekly Update

15 March, 2023



Note: This update is going out to all Zone 26 & 27 DG's, DGE's, DGN's, District Foundation Chairs, District PolioPlus Chairs, Senior Leaders 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) - NO NEW “CONFIRMED” CASES of Wild Polio Virus Type 1** anywhere in the world, now for the last **26 weeks**. Please note that I put quotation marks around the word **“CONFIRMED”**, as this morning (March 19th) I received word of a possible wild case occurring to a 3 year old in Khyber Pakhtunkhwa, Pakistan, reported last Thursday (March 18th) by the Pakistan National Polio Laboratory, according to multiple media sources. **However, until GPEI has “officially” confirmed it, the count below will continue to reflect the weekly numbers as of Wednesday, March 15th.** New details about this possible new case should be available in next week's March, 22nd report, at which time the numbers below will be adjusted, if confirmed by GPEI. As heart wrenching as this information is, please stand by for further “official” details.

ONE HUNDRED & EIGHTY-ONE - (6 MONTHS) The number of days since the last case of WPV1 occurred in Pakistan (September 15th, 2022).

ONE HUNDRED & NINETY-SEVEN — (6 MONTHS+) The number of days since the last case of WPV1 occurred in Afghanistan (August 29th, 2022).

TWO HUNDRED & SEVENTEEN — (6 MONTHS +) The number of days since the last case of WPV1 occurred in Mozambique (August 10th, 2022).

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

SEVENTY-FOUR - 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 - Total number of WPV1 cases that occurred in **2020**.

There was also **one WPV1 Positive Environmental Sample** reported this last week in the Khyber Pakhtunkhwa area of Pakistan, so the **2023 total increases to 12 Positive Wild Samples to date (9 in Afghanistan and 3 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 **11 new cases of cVDP2** reported this last week compared to 35 total cases the week before. 6 were from DR Congo, 2 from Chad, and one each from Benin, Burundi and Niger. However, 8 of the cases occurred in **2022 bringing that year to date case totals to 786**. The 3 other cases, Chad and Benin, occurred in **2023, bringing this year's total to 13**. The case in Burundi is the first in over 30 years.

There were also **5 Positive Vaccine Derived Environmental Samples (ES)** reported, all that were collected in 2022, bringing **total number of Positive Vaccine Derived Environmental Samples (ES) to 377 for the 2022 year**. The **2023 numbers remain the same with the year to date total being 11**.

- **THE GPEI HAS RECEIVED CONFIRMATION THAT 7 OF THE cVDPV2 CASES REPORTED THIS WEEK FROM DR CONGO (6) AND BURUNDI (1), WERE CONFIRMED LINKED TO THE NOVEL ORAL POLIO VACCINE TYPE 2 (nOPV2)**. These are the first confirmed cases linked to the use of the nOPV2 vaccine since its rollout in March 2021, with nearly 600 million doses administered to date. Although any case is one too many, statistically speaking, this 1 Acute Flaccid Paralysis case in every 85.7 million doses administered has a significantly lower risk of reverting to a form that causes paralysis in low immunity settings when compared to the estimated 1 case in every 2.7 million doses of the Sabin monovalent oral polio vaccine type 2 (mOPV2) that is also currently being used in the polio campaign. In a preliminary assessment, it was estimated that 30 to 40 cases would have been detected by March 1, 2023 if mOPV2 had been used instead of nOPV2 at the same scale, compared to the 7 actual cases. For GPEI's statement on this development, [click here](#).
- **THAT'S IT FOR THIS WEEK FOLKS**. Hang in there and, as always, continue to keep Ukraine in your thoughts, along with those affected by polio.

Bob and Greg

Your Big West "End Polio Now" Coordinators

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Poliovirus Weekly Update 15 March, 2023, World Health Organization

You will see below, that the number of wild polio cases for 2023 as of March 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): 1

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

Acute Flaccid Paralysis (AFP) cases: 13 (compared to 9 for the same period in 2022)

Positive Environmental Samples (ES): 5 (All occurred in 2022)

Reported WPV1 and cVDPV cases as of 15th March, 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**
- **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: 13 (Compared to 9 for the same period in 2022)**
- **Total global cVDPV cases in 2022: 786**
- **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/>

- Pakistan: one wild poliovirus type 1-positive environmental sample
- Benin: one circulating vaccine-derived poliovirus type 2 (cVDPV2) case
- Burundi: one cVDPV2 case and five cVDPV2-positive environmental samples
- Chad: two cVDPV2 cases
- Democratic Republic of the Congo (DR Congo): six cVDPV2 cases
- Niger: one cVDPV2 case