This Week

Polio this week as of 20 November 2019

- US$2.6 billion. That is the amount pledged for polio eradication by global leaders at the Reaching the Last Mile Forum in Abu Dhabi on 19 November 2019. [Read more](#) on the remarkable news.
- Summary of new viruses this week (AFP cases and ES positives): Afghanistan – one WPV1 case and two positive environmental samples; Pakistan— four WPV1 cases, two WPV1-positive environmental samples and two cVDPV2 cases; Nigeria – one cVDPV2 case; Democratic Republic of the Congo (DR Congo)– three cVDPV2 cases; Central African Republic – two cVDPV2 case; Angola — three cVDPV2 cases.

See country sections below for more details.

Wild poliovirus type 1 and Circulating vaccine-derived poliovirus cases

<table>
<thead>
<tr>
<th>Total cases</th>
<th>Year-to-date 2019</th>
<th>Year-to-date 2018</th>
<th>Total in 2018</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>WPV</td>
<td>cVDPV</td>
<td>WPV</td>
</tr>
<tr>
<td>Globally</td>
<td>107</td>
<td>157</td>
<td>29</td>
</tr>
<tr>
<td>— in endemic countries</td>
<td>107</td>
<td>27</td>
<td>29</td>
</tr>
<tr>
<td>— in non-endemic countries</td>
<td>0</td>
<td>130</td>
<td>0</td>
</tr>
</tbody>
</table>

Case breakdown by country
<table>
<thead>
<tr>
<th>Countries</th>
<th>Year-to-date 2019</th>
<th>Year-to-date 2018</th>
<th>Total in 2018</th>
<th>WPV</th>
<th>cVDPV</th>
<th>WPV</th>
<th>cVDPV</th>
<th>Onset of paralysis of most recent case</th>
</tr>
</thead>
<tbody>
<tr>
<td>afghanistan</td>
<td>21</td>
<td>0</td>
<td>21</td>
<td>21</td>
<td>0</td>
<td>21</td>
<td>0</td>
<td>17-Oct-2019</td>
</tr>
<tr>
<td>angola</td>
<td>0</td>
<td>42</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1-Oct-2019</td>
</tr>
<tr>
<td>benin</td>
<td>0</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>13-Sep-2019</td>
</tr>
<tr>
<td>central african republic</td>
<td>0</td>
<td>16</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>6-Oct-2019</td>
</tr>
<tr>
<td>chad</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>9-Sep-2019</td>
</tr>
<tr>
<td>china</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>25-Apr-2019</td>
</tr>
<tr>
<td>democratic republic of the congo</td>
<td>0</td>
<td>45</td>
<td>0</td>
<td>20</td>
<td>0</td>
<td>20</td>
<td>NA</td>
<td>28-Sep-2019</td>
</tr>
<tr>
<td>ethiopia</td>
<td>0</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>8-Aug-2019</td>
</tr>
<tr>
<td>ghana</td>
<td>0</td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>4-Oct-2019</td>
</tr>
<tr>
<td>indonesia</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>NA</td>
<td>27-Nov-2018</td>
<td></td>
</tr>
<tr>
<td>mozambique</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>NA</td>
<td>21-Oct-2018</td>
</tr>
<tr>
<td>myanmar</td>
<td>0</td>
<td>6</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>9-Aug-2019</td>
</tr>
<tr>
<td>Countries</td>
<td>Year-to-date 2019</td>
<td>Year-to-date 2018</td>
<td>Total in 2018</td>
<td>Onset of paralysis of most recent case</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-----------------</td>
<td>------------------</td>
<td>------------------</td>
<td>--------------</td>
<td>--------------------------------------</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>WPV</td>
<td>cVDPV</td>
<td>WPV</td>
<td>cVDPV</td>
<td>WPV</td>
<td>cVDPV</td>
<td>WPV</td>
<td>cVDPV</td>
</tr>
<tr>
<td>niger</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>9</td>
<td>0</td>
<td>10</td>
<td>NA</td>
<td>3-Apr-2019</td>
</tr>
<tr>
<td>nigeria</td>
<td>0</td>
<td>18</td>
<td>0</td>
<td>33</td>
<td>0</td>
<td>34</td>
<td>NA</td>
<td>9-Oct-2019</td>
</tr>
<tr>
<td>pakistan</td>
<td>86</td>
<td>9</td>
<td>8</td>
<td>0</td>
<td>12</td>
<td>0</td>
<td>3-Nov-2019</td>
<td>3-Nov-2019</td>
</tr>
<tr>
<td>papua new guinea</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>26</td>
<td>0</td>
<td>26</td>
<td>NA</td>
<td>18-Oct-2018</td>
</tr>
<tr>
<td>philippines</td>
<td>0</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>NA</td>
<td>13-Sep-2019</td>
</tr>
<tr>
<td>somalia</td>
<td>0</td>
<td>3</td>
<td>0</td>
<td>12</td>
<td>0</td>
<td>12</td>
<td>NA</td>
<td>8-May-2019</td>
</tr>
<tr>
<td>togo</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>NA</td>
<td>13-Sep-2019</td>
</tr>
<tr>
<td>zambia</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>NA</td>
<td>16-Jul-2019</td>
</tr>
</tbody>
</table>

NA: Onset of paralysis in most recent case is prior to 2017. Figures exclude non-AFP sources. In 2018, cVDPV includes all three serotypes 1, 2 and 3.

For Somalia: 1 cVDPV2 and cVDPV3 isolated from one AFP case.
cVDPV definition: see document “Reporting and classification of vaccine-derived polioviruses” at [pdf].

**Weekly country updates as of 20 November 2019**

**Afghanistan**
One wild poliovirus type 1 (WPV1) case was reported from Balamurghab in Badghis province. The onset of paralysis was on 17 October 2019. There are 21 WPV1 cases reported in 2019. There were 21 WPV1 cases reported in 2018.

Two WPV1 positive environmental samples were reported: one each from Nahr-e-Saraj and Lashkargah in Hilmand province. The samples were collected on 28 October 2019.

Read the latest polio update from Afghanistan to see information on cases, surveillance and vaccination campaigns.

Pakistan

Four wild poliovirus type 1 (WPV1) cases were reported: three from Lakki Marwat in Khyber Pakhtunkhwa province and one from Karachi Jamsheed in Sindh province. The onsets of paralysis were between 23 October and 03 November 2019. There are now 86 WPV1 cases reported in 2019. There were 12 WPV1 cases in 2018.

Two WPV1–positive environmental samples were reported: One each from Quetta and Bannu in Balochistan and Khyber Pakhtunkhwa provinces respectively. The samples were collected on 28 and 29 October 2019 respectively.

Two cVDPV2 cases were reported one each from Torghar and Charsada in Khyber Pakhtunkhwa province. The onsets of paralysis were 28 October and 03 November 2019 respectively. There are 9 cVDPV2 cases reported in 2019.

Read the latest polio update from Pakistan to see information on cases, surveillance and vaccination campaigns.

Nigeria

One case of circulating vaccine–derived poliovirus type 2 (cVPDV2) was reported from Surulere in Oyo State. The onset of paralysis was 09 October 2019.

There are 18 cVDPV2 cases reported in 2019. There were 34 cVDPV2 cases in 2018.

Read our Nigeria country page for more information.

Chad

No case of circulating vaccine–derived poliovirus type 2 (cVDPV2) was reported this week. There is one cVDPV2 case in the country.
linked to the Jigawa outbreak in Nigeria.

- The risk of further cVDPV2 spread across the Lake Chad subregion remains high.
- Read our Niger country page to see information on surveillance and vaccination campaigns.

**Benin**

- No case of circulating vaccine-derived poliovirus type 2 (cVDPV2) was reported this week. There are two cVDPV2 cases in 2019 linked to the Jigawa outbreak in Nigeria.
- The risk of further cVDPV2 spread across West Africa remains high.
- Read our Benin country page to see information on surveillance and vaccination campaigns.

**Ghana**

- No case of circulating vaccine-derived poliovirus type 2 (cVDPV2) was reported this week. There are five cVDPV2 cases in 2019 linked to the Jigawa outbreak in Nigeria.
- The risk of further cVDPV2 spread across West Africa remains high.
- Read our Ghana country page for more information.

**Democratic Republic of the Congo (DR Congo)**

- Three cases of circulating vaccine-derived poliovirus type 2 (cVDPV2) were reported this week: One each from Malemba-Nkulu, Kinkondja and Mulongo all in Haut Lomami province. The onsets of paralysis were between 17 and 22 September 2019. There are 45 cVDPV2 cases in 2019 and 20 in 2018.
- Read our Democratic Republic of the Congo country page for more information.
- Learn more about vaccine-derived polioviruses through this short animation or this ‘Coffee with Polio Experts’ video.

**Angola**

- Three cases of cVDPV2 were reported this week: One from Bailundo in Huambo province, and one each from Cassongue and
Seles in Kwanza Sul province. The onsets of paralysis were between 16 September and 28 September 2019. There are now 42 cVDPV2 cases from seven outbreaks reported in 2019.

- Learn more about vaccine-derived polioviruses through this short animation or this ‘Coffee with Polio Experts’ video.
- Read our Angola country page for more information.

Central African Republic

- Two cases of circulating vaccine-derived poliovirus type 2 (cVDPV2) were reported this week. One from Kemo in RS4 province and one in Bocaranga-Koui in RS3 province. The onsets of paralysis were 01 October and 06 October 2019 respectively. There are 16 reported cases in 2019 from six different outbreaks of cVDPV2 in 2019.
- Read our Central African Republic country page for more information.

Côte d’Ivoire

- No case of circulating vaccine-derived poliovirus type 2 (cVDPV2) was reported this week.
- Read our Côte d’Ivoire country page for more information.

Togo

- No case of circulating vaccine-derived poliovirus type 2 (cVDPV2) was reported this week. There is one cVDPV2 case in the country which is linked to Jigawa outbreak in Nigeria.
- Read our Togo country page for more information.

Zambia

- No case of circulating vaccine-derived poliovirus type 2 (cVDPV2) was reported this week. There is one cVDPV2 case from the first outbreak in the country.
- Read our Zambia country page for more information.

Horn of Africa
- No case of circulating vaccine-derived poliovirus type 2 (cVDPV2) was reported this week. There are three cVDPV2 cases reported in Ethiopia in 2019, all linked to the outbreak in neighbouring Somalia.
- Somalia has reported a total of 15 cVDPV cases (eight type 2, six type 3 and one coinfection of both type 2 and type 3) since the beginning of the outbreaks. The most recent cVDPV3 virus was from an AFP case from Runingod district, Middle Shabelle province with an onset date of paralysis on 7 September 2018. Circulating VDPV2 has also been detected during 2018 in one environmental sample in Kenya collected on 21 March 2018. There are also two reported cases of cVDPV2 in Ethiopia, linked to Somalia in 2019.
- Learn more about vaccine-derived polioviruses through this short animation or this ‘Coffee with Polio Experts’ video.

**Papua New Guinea**

- No new cases of circulating vaccine-derived poliovirus type 1 (cVDPV1) were reported this week. There were 26 cases reported in 2018.
- Learn more about vaccine-derived polioviruses through this short animation or this ‘Coffee with Polio Experts’ video
- Read our Papua New Guinea country page to see information on surveillance and vaccination campaigns.

**Mozambique**

- No case of circulating vaccine-derived poliovirus type 2 (cVDPV2) outbreak has been reported this week. There was one case reported in 2018.
- Learn more about vaccine-derived polioviruses through this short animation or this ‘Coffee with Polio Experts’ video
- Read our Mozambique country page to see information on cases, surveillance and response to the developing outbreak.

**Indonesia**

- No circulating vaccine-derived poliovirus type 1 (cVDPV1) cases were reported this week. One cVDPV1 case was reported in 2018 from Papua province with onset of paralysis on 28 November 2018.
• This outbreak is not linked to the cVDPV1 in neighbouring Papua New Guinea.
• Learn more about Indonesia polio outbreak response through weekly situational report

**Iran**

• No new WPV1-positive environmental samples were reported this week. In total, three WPV1-positive environmental samples have been reported in 2019, all from Sistan and Balochistan province. The isolated viruses have been detected in environmental samples only, and genetic sequencing confirms they are linked to WPV1 circulating in Karachi, Pakistan.
• Read our Iran country page to see information on surveillance and latest travel advisory.

**China**

• No cVDPV2 case was reported in the past week. The total number of cVDPV2 cases in the country remains one.
• Learn more about vaccine-derived polioviruses through this short animation or this ‘Coffee with Polio Experts’ video.
• Read our China country page to see information on cases, surveillance and response to the developing outbreak.

**Myanmar**

• No circulating vaccine-derived poliovirus type 1 (cVDPV1) cases were reported this week. There are six reported cases of cVDPV1 in 2019.
• Learn more about vaccine-derived polioviruses through this short animation or this ‘Coffee with Polio Experts’ video.
• Read our Myanmar country page to see information on cases, surveillance and response to the developing outbreak.

**Philippines**

• No circulating vaccine-derived poliovirus type 1 (cVDPV1) cases were reported this week. There are three reported cases of cVDPV2 in 2019.
• Read our Philippines country page for more information.
Viewed using Just Read