This Week

Polio this week as of 31 July 2019.

- July 2019 Polio News is available [online](https://www.polioeradication.org/polio-today/polio-now/this-week/) for all the latest news, polio in numbers and the funding updates.
- Summary of new viruses this week: Afghanistan — one wild poliovirus type 1 (WPV1) case; Pakistan — two WPV1-positive cases and eight WPV1-positive environmental samples; Nigeria — one circulating vaccine-derived poliovirus type 2 (cVDPV2) case and one cVDPV2-positive environmental sample; Democratic Republic of the Congo (DRC) — one cVDPV2 sample isolated from a contact case and one cVDPV2 community isolate; Central African Republic — one cVDPV2-positive environmental sample and 13 cVDPV2 samples isolated from community; Myanmar — one cVDPV type 1 case and five cVDPV1 samples isolated from a contact case. 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>WPV</td>
<td>cVDPV</td>
<td>WPV</td>
<td>cVDPV</td>
</tr>
<tr>
<td>Globally</td>
<td>59</td>
<td>44</td>
<td>17</td>
</tr>
<tr>
<td>—in endemic countries</td>
<td>59</td>
<td>13</td>
<td>17</td>
</tr>
<tr>
<td>—in non-endemic countries</td>
<td>0</td>
<td>31</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 cVDPV</th>
<th>WPV cVDPV</th>
<th>WPV cVDPV</th>
<th>Onset of paralysis of most recent case</th>
</tr>
</thead>
<tbody>
<tr>
<td>afghanistan</td>
<td>12</td>
<td>13</td>
<td>21</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>26-May-2019</td>
</tr>
<tr>
<td>angola</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>NA</td>
</tr>
<tr>
<td>central african republic</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>23-Jun-2019</td>
</tr>
<tr>
<td>china</td>
<td>0</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>15</td>
<td>0</td>
<td>15</td>
<td>0</td>
<td>20</td>
<td>14-Jun-2019</td>
</tr>
<tr>
<td>ethiopia</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>20-May-2019</td>
</tr>
<tr>
<td>indonesia</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>27-Nov-2018</td>
</tr>
<tr>
<td>mozambique</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>NA</td>
</tr>
<tr>
<td>myanmar</td>
<td>0</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>21-Oct-2018</td>
</tr>
<tr>
<td>niger</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>10</td>
<td>0</td>
<td>0</td>
<td>3-Apr-2019</td>
</tr>
<tr>
<td>nigeria</td>
<td>0</td>
<td>13</td>
<td>0</td>
<td>8</td>
<td>0</td>
<td>34</td>
<td>NA</td>
</tr>
<tr>
<td>pakistan</td>
<td>47</td>
<td>4</td>
<td>0</td>
<td>12</td>
<td>0</td>
<td>0</td>
<td>11-Jul-2019</td>
</tr>
</tbody>
</table>

Note: cVDPV = circulating Vaccine Derived Polio Virus
<table>
<thead>
<tr>
<th>Countries</th>
<th>Year-to-date 2019</th>
<th>Year-to-date 2018</th>
<th>Total in 2018</th>
<th>Onset of paralysis of most recent case</th>
</tr>
</thead>
<tbody>
<tr>
<td>Papua New Guinea</td>
<td>0</td>
<td>0</td>
<td>14</td>
<td>18- Oct- 2018</td>
</tr>
<tr>
<td>Somalia</td>
<td>0</td>
<td>0</td>
<td>10</td>
<td>8- May- 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 31 July 2019**

**Afghanistan**

- One wild poliovirus type 1 (WPV1) case has been reported in the past week from Garmser district, Hilmand province. The onset of paralysis was on 26 May 2019. There are 12 WPV1 cases reported in 2019. There were 21 WPV1 cases reported in 2018.
- No WPV1-positive environmental samples were reported in the past week.
- Read the latest polio update from Afghanistan to see information on cases, surveillance and vaccination campaigns.

**Pakistan**

- Two wild poliovirus type 1 (WPV1) cases have been reported in the past week: one from Quetta district, Balochistan province and one from Bannu district, Khyber Pakhtunkhwa province. The onset of paralysis was reported on 6 and 11 July 2019, respectively. There are 47 WPV1 cases in 2019. 12 WPV1 cases were reported in 2018.
- Eight WPV1-positive environmental samples were reported in the past week: one from Lahore district, Punjab province; one from...
Peshawar district, Khyber Pakhtunkhwa province; one each from Dadu district, Kambar district, Hyderabad district, Liaqat, Gadap Town, and Saddar in Karachi district. The samples were collected between 3–10 July 2019.

- Read the latest polio update from [Pakistan](#) to see information on cases, surveillance and vaccination campaigns.

**Nigeria, Lake Chad and West Africa**

- One case of circulating vaccine–derived poliovirus type 2 has been reported in the past week from Konduga district, Borno State, with onset of paralysis reported on 20 June 2019. There are 13 cVDPV2 cases reported in 2019. There were 34 cVDPV2 cases in 2018.
- One positive environmental samples were reported in the past week from Ilorin East, Kwara East. The sample was collected on 27 June 2019.
- Read our [Nigeria](#) country page to see information on surveillance and vaccination campaigns.

- No case of circulating vaccine–derived poliovirus type 2 (cVDPV2) has been reported in the past week.
- In the Lake Chad region, cVDPV2 linked to the outbreak originating in Nigeria has been detected in Niger (one case in 2019 and ten cases in 2018), and Cameroon (one positive environmental sample, collected on 20 April 2019 in Extreme Nord).
- The risk of further cVDPV2 spread across the Lake Chad subregion remains high.

- No cVDPV2–positive environmental sample was reported in the past week in Ghana.
- A genetically–linked cVDPV2 originating in Jigawa, Nigeria has been confirmed in Ghana.
- Across the GPEI partnership, the outbreak preparedness and response task team (OPRTT) is working with our regional and country colleagues in supporting local public health authorities in carrying out a full field investigation and determining if there is a risk of local spread of this virus which might require a response.
- Surveillance is also being strengthened in neighbouring Togo, Benin, Côte d’Ivoire and Burkina Faso.
No cases of circulating vaccine-derived poliovirus type 2 (cVDPV2) have been reported this week. There are 15 reported cases of cVDPV2 in 2019. There were 20 cVDPV2 cases reported in 2018. DRC is currently affected by seven separate cVDPV2 outbreaks; one each originated in Haut Katanga, Mongala, Sankuru and two in Haut Lomami and Kasai provinces.

One cVDPV2 close contact was isolated from Wembo-Nyama, Sankuru State on 23 June 2019.

One cVDPV2 sample was reported on 22 June 2019 from a community isolate in Wembo-Nyama, Sankuru State.

Read our Democratic Republic of the Congo country page to see information on surveillance and vaccination campaigns.

Learn more about vaccine-derived polioviruses through this short animation or this ‘Coffee with Polio Experts’

No case of circulating vaccine-derived poliovirus type 2 (cVDPV2) has been reported this week. Total three cVDPV2 cases from two outbreaks are reported in 2019.

Read our Angola country page for more information.

One cVDPV2-positive environmental sample from Bambari district, RS4 State. The sample was collected on 8 July 2019.

10 cVDPV2 samples were isolated from community in Bimbo district, RS1 State, and 3 cVDPV2 samples were isolated from community in Bambari district, RS4 State. The samples were collected between 27 May to 8 July 2019.

Read our Central African Republic country page for more information.

**Horn of Africa**

No case of circulating vaccine-derived poliovirus type 2 (cVDPV2) has been reported in the Horn of Africa.

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.
is also one reported case of cVDPV2 in Ethiopia, linked to Somalia, with onset on 20 May 2019.

- Learn more about vaccine-derived polioviruses through this short animation or this ‘Coffee with Polio Experts’

**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.
- The most recent cVDPV1 virus was isolated from an environmental sample collected in the National Capital district on 6 November 2018.
- 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.
- Read our Mozambique country page to see information on cases, surveillance and response to the developing outbreak.

**Indonesia**

- Learn more about Indonesia polio outbreak response through weekly situational report.

**Iran**

- 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 cases were reported in the past week. The total number of cVDPV2 cases in the country remains one.
- China continues to maintain strong routine immunization coverage both with IPV and bivalent OPV reaching more than 95% nationwide, and strong poliovirus surveillance including through environmental surveillance.
- The Government of China is reacting rapidly and efficiently strengthening disease surveillance and planning an appropriate outbreak response.
- China had successfully responded to a WPV1 outbreak in 2011, stopping an outbreak (due to an importation from Pakistan) in record time.
- 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

- One case of circulating vaccine-derived poliovirus type 1 (cVDPV1) has been reported this week in Papun district, Kayin province. The onset of paralysis was reported on 23 May 2019. A total of 3 cVDPV1 cases were reported in 2019 so far.
- Five cVDPV1 samples have been isolated from a close contact in Papun district, Kayin province.
- 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.

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