This Week

Polio this week as of 18 December 2019

- Summary of new viruses this week (AFP cases and ES positives):
  Afghanistan – two WPV1 cases and two WPV1-positive environmental samples. Pakistan – seven WPV1 cases, one cVDPV2 case and 12 WPV1-positive environmental samples. DR Congo – Eight cVDPV2 cases. Somalia – two cVDPV2-positive environmental sample. Angola – 11 cVDPV2 cases and two cVDPV2-positive environmental samples. Chad – one cVDPV2 case. Ethiopia – one cVDPV2-positive environmental sample. Ghana – 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 cVDPV</td>
<td>WPV cVDPV</td>
<td>WPV cVDPV</td>
</tr>
<tr>
<td>Globally</td>
<td>125 241</td>
<td>30 104</td>
<td>33 104</td>
</tr>
<tr>
<td>—in endemic countries</td>
<td>125 30</td>
<td>30 34</td>
<td>33 34</td>
</tr>
<tr>
<td>—in non–endemic countries</td>
<td>0 211</td>
<td>0 70</td>
<td>0 70</td>
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</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>Onset of paralysis of most recent case</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>WPV cVDPV WPV cVDPV WPV cVDPV WPV cVDPV</td>
<td>WPV cVDPV</td>
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<td></td>
</tr>
<tr>
<td>afghanistan</td>
<td>24 0 21 0 21 0</td>
<td>14 Nov 2019</td>
<td>NA</td>
<td></td>
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<tr>
<td>Countries</td>
<td>WPV cVDPV</td>
<td>WPV cVDPV</td>
<td>Total in 2018</td>
<td>Onset of paralysis of most recent case</td>
</tr>
<tr>
<td>-------------------------------</td>
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<td>---------------</td>
<td>---------------------------------------</td>
</tr>
<tr>
<td>angola</td>
<td>0</td>
<td>82</td>
<td>0</td>
<td>NA 28-Oct-2019</td>
</tr>
<tr>
<td>benin</td>
<td>0</td>
<td>6</td>
<td>0</td>
<td>NA 15-Oct-2019</td>
</tr>
<tr>
<td>central african republic</td>
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<td>16</td>
<td>0</td>
<td>NA 6-Oct-2019</td>
</tr>
<tr>
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<td>2</td>
<td>0</td>
<td>NA 13-Oct-2019</td>
</tr>
<tr>
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<td>1</td>
<td>0</td>
<td>NA 25-Apr-2019</td>
</tr>
<tr>
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<td>61</td>
<td>0</td>
<td>NA 26-Oct-2019</td>
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<td>5</td>
<td>0</td>
<td>NA 9-Sep-2019</td>
</tr>
<tr>
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<td>0</td>
<td>11</td>
<td>0</td>
<td>NA 7-Nov-2019</td>
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<tr>
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<tr>
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<td>NA 3-Apr-2019</td>
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<td>18</td>
<td>0</td>
<td>NA 9-Oct-2019</td>
</tr>
<tr>
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<td>101</td>
<td>12</td>
<td>9</td>
<td>NA 23-Nov-2019</td>
</tr>
<tr>
<td>Countries</td>
<td>WPV cVDPV WPV cVDPV WPV cVDPV WPV cVDPV</td>
<td>Onset of paralysis of most recent case</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>papua new guinea</td>
<td>0 0 26 0 26</td>
<td>NA 18-Oct-2018</td>
<td></td>
<td></td>
</tr>
<tr>
<td>philippines</td>
<td>0 11 0 0 0 0</td>
<td>NA 28-Oct-2019</td>
<td></td>
<td></td>
</tr>
<tr>
<td>somalia</td>
<td>0 3 0 12 0 12</td>
<td>NA 8-May-2019</td>
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<td></td>
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<tr>
<td>togo</td>
<td>0 4 0 0 0 0</td>
<td>NA 28-Oct-2019</td>
<td></td>
<td></td>
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<tr>
<td>zambia</td>
<td>0 1 0 0 0 0</td>
<td>NA 16-Jul-2019</td>
<td></td>
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</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 18 December 2019**

**Afghanistan**

- Two WPV1 cases were reported in the past week, from Uruzgan and Baghlan provinces, bringing the total number of WPV1 cases reported in 2019 to 24.
- Additionally, two WPV1-positive environmental samples were reported, from Nangarhar.
- Read the latest polio snapshot from Afghanistan to see information on cases, surveillance and vaccination campaigns.

**Nigeria**

- No case of circulating vaccine-derived poliovirus type 2 (cVDPV2) was reported this week. There are 18 cVDPV2 cases reported in 2019. There were 34 cVDPV2 cases in 2018.
- Read our Nigeria country page for more information.
Pakistan

- Seven WPV1 cases were reported in the past week, from Sindh and KP, bringing the total number of WPV1 cases reported in 2019 to 101.
- Additionally, 12 WPV1-positive environmental samples were reported in the past week, from Punjab, Balochistan, Sindh, FATA, and KP.
- Read the latest polio snapshot from Pakistan to see information on cases, surveillance and vaccination campaigns.

Angola

- Eleven cVDPV2 cases were reported in the past week, bringing the total number of cVDPV2 cases to 82 in 2019.
- Additionally, one cVDPV2-positive environmental sample was reported in the past week.
- 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.

Benin

- No case of circulating vaccine-derived poliovirus type 2 (cVDPV2) was reported this week. There are six 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 for more information.

Central African Republic

- No case of circulating vaccine-derived poliovirus type 2 (cVDPV2) was reported this week. 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.

Chad

- One cVDPV2 case was reported in the past week, bringing the total of reported cases in 2019 to two.
- The risk of further cVDPV2 spread across the Lake Chad subregion remains high.
- Read our Chad country page for more information.
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.

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.

Democratic Republic of the Congo (DR Congo)

- Eight cases of circulating vaccine-derived poliovirus type 2 (cVDPV2) were reported this week, bringing the total number of cVDPV2 cases in 2019 to 61.
- 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.

Ghana

- Two cVDPV2 cases were reported in the past week, bringing the total number of cases for 2019 to 11, 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.

Horn of Africa

- Three cVDPV2-positive environmental samples were reported in the past week, two from Somalia (Banadir) and one from Ethiopia (Addis Ababa).
- There are total five cVDPV2 cases reported in Ethiopia in 2019, four of them are linked to the outbreak in neighbouring Somalia and fifth case is part of the Ethiopian outbreak. 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.

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

**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.

**Malaysia**

- No cases of cVDPV1 were reported in the past week. The total number of cVDPV1 cases in the country remains one.
- Read our Malaysia country page for more information.

**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.

**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.

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.

Philippines

• No case of circulating vaccine-derived poliovirus type 1 (cVDPV1) was reported this week from the West Mindanao province. The total number of cVDPV1 cases in 2019 remains one.
• No cases of circulating vaccine-derived poliovirus type 2 (cVDPV2) were reported this week.
• Read our Philippines country page for more information.

Togo

• One case of circulating vaccine-derived poliovirus type 2 (cVDPV2) was reported from Plateaux province this week. There are four cVDPV2 cases in 2019 in the country 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.