### Global Circulating Vaccine-derived Poliovirus (cVDPV)

**Circulating Vaccine-derived Poliovirus (cVDPV)**: The term cVDPV refers to polioviruses that are genetically similar to the Sabin vaccine types, which can circulate in the population and cause paralysis in individuals who do not receive oral polio vaccine (OPV) or who are otherwise susceptible to the disease.

#### Description
- cVDPVs are classified into two categories: cVDPV1 and cVDPV2.
- cVDPV3 is not used in routine OPV campaigns.
- cVDPVs can be caused by a single OPV dose, but multiple doses can also contribute to outbreaks.

#### Epidemiology
- cVDPVs are detected through environmental surveillance, which involves collecting sewage samples from selected sites to monitor the presence of wild poliovirus (WPV) and cVDPVs.
- The timing of cVDPV detection can help track the spread of the virus and guide vaccination strategies.

#### Data Collection
- The report includes data from various countries, highlighting the number of cVDPV detections, collection dates, and onset of disease.
- Data are collected from 2016 to 2020, with updates for 2021.

#### Table: cVDPV Surveillance by Country (2016-2020)

<table>
<thead>
<tr>
<th>Country</th>
<th>cVDPV1</th>
<th>cVDPV2</th>
<th>cVDPV3</th>
<th>Total</th>
<th>cVDPV1</th>
<th>cVDPV2</th>
<th>cVDPV3</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total</strong></td>
<td>7</td>
<td>3</td>
<td>0</td>
<td>10</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>2</td>
</tr>
</tbody>
</table>

#### Notes
- Data are as of 03 Nov 2020.
- Changes from previous week indicate any recent updates to the surveillance data.
- Countries listed are those where cVDPV surveillance has been established and working.
- Additional sources include environmental surveillance, human cases, and other sources.

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### Additional Information

- [cVDPV definition](http://www.who.int/polio/en): [Link to official definition](http://www.who.int/polio/en)
- [WPV1/WPV2 mixture](http://www.who.int/polio/en): [Link to WPV1/WPV2 mixture definition](http://www.who.int/polio/en)

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### Footnotes
1. For cVDPV definition: [Link to official definition](http://www.who.int/polio/en)
2. WPV1/WPV2 mixture: [Link to WPV1/WPV2 mixture definition](http://www.who.int/polio/en)
3. In addition to cVDPV1, cVDPV2 and WPV1/WPV2 mixture, 2007 - 2008 - 2009 - 2010 - 2011: [Link to additional definition](http://www.who.int/polio/en)

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**Notable Cases**

- **Kenya**: 2006-2007 outbreaks linked to the Somalia outbreak.
- **Laos**: 2006-2007 outbreaks linked to the Nigeria outbreak.
- **Nigeria**: 2006-2007 outbreaks linked to the Somalia outbreak.

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**Citations**

- [Link to official report](http://www.who.int/polio/en)
- [Link to additional sources](http://www.who.int/polio/en)

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**Last Updated**: 03 Nov 2020

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**Data Source**: WHO HQ

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**Collection Date**

- 2016: 25 Aug
- 2017: 07 Sep
- 2018: 21 Oct
- 2019: 13 Feb
- 2020: 07 Jul

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**Onset of Disease**

- 2016: 09 Nov
- 2017: 07 Sep
- 2018: 07 Sep
- 2019: 07 Aug
- 2020: 07 Jul

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**Collection Sources**

- **Human**: cVDPV1 and cVDPV2 isolated from one case of poliomyelitis.
- **Environment**: Other sources include WPV1/WPV2 mixture, WPV1/WPV2 mixture outbreak, and WPV1/WPV2 mixture outbreak, 2007 - 2008 - 2009 - 2010 - 2011.

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**Contact Information**

- [Link to contact information](http://www.who.int/polio/en)