

Horn of Africa Response Outbreak

SITUATION REPORT #4

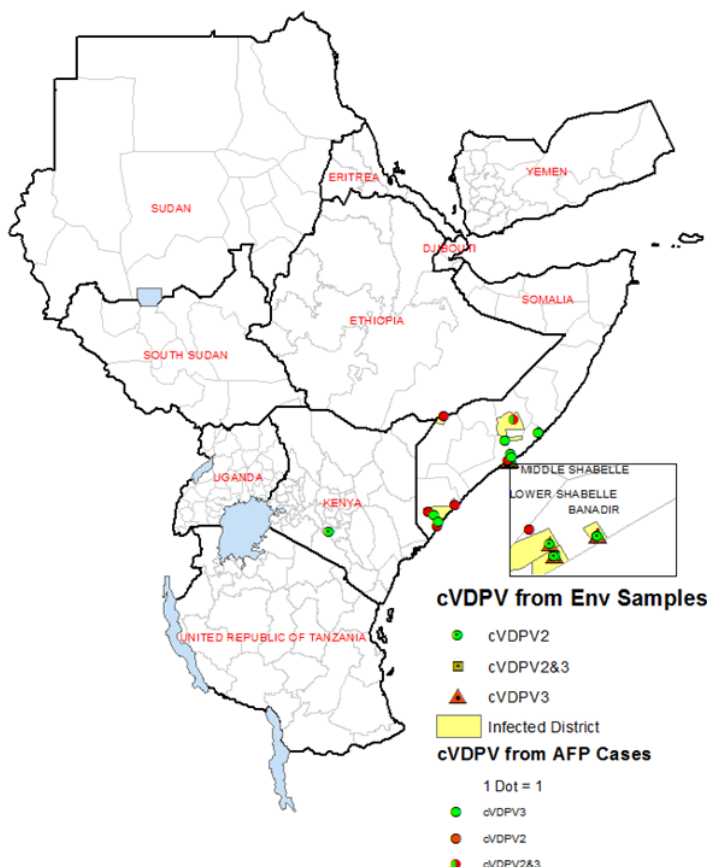
1 November 2018



Situation update

- No new human cases of circulating vaccine-derived poliovirus (cVDPV) type 2 have been reported this week. The latest case had onset of paralysis on 2 September 2018.
- Three new positive environmental samples have been confirmed as cVDPV2 and one as ambiguous VDPV2 from environmental sampling sites in Banadir.
- No new cases or environmental samples of cVDPV type 3 have been reported this week. The most recent case had onset of paralysis on 7 September 2018.
- In Somalia, the total number of cases of paralysis caused by cVDPV2 remains 5, with 17 positive environmental samples in 2017 and 2018. The total number of cases of paralysis caused by cVDPV3 remains six, with 10 environmental isolates. One case of paralysis has been identified with co-infection of cVDPV type 2 and 3, and one environmental sample has also been found with both viruses.

Distribution of cVDPV2 and cVDPV3 acute flaccid paralysis cases and environmental samples, Horn of Africa, 2017-2018 (as of 17 October 2018)



Summary

Number of new cVDPV2 cases reported since 17 October: 0
 Number of new cVDPV3 cases reported since 17 October: 0
 Total number of cVDPV2 cases : 5
 Total number of cVDPV3 cases : 6
 Total number of co-Infection (cVDPV2 & cVDPV3) : 1
 Total number cVDPV2 contacts: 3
 Total number cVDPV3 contacts: 7
 Total number cVDPV3 Healthy Children: 2

Infected country (by region and district):

Country	Region	District	cVDPV2	cVDPV3	cVDPV2 & cVDPV3
AFP Cases 2017 and 2018 (as of 30 October 2018)					
Somalia	Hiran	Bulo Burti,	0	0	1
	Middle Shabelle	Warsheikh	0	2	0
		Mahaday	0	1	0
		Runingod	0	1	0
	Gedo	Dolo	1	0	0
	Banadir	Daynile	1	0	0
	Lower Juba	Kismayo	2	2	0
		Jamaame West	1	0	0

Environmental Positives 2017 and 2018 (as of 30 October 2018)

Somalia	Moga-dishu	Waberi, Shangani, Ha-merewoini, Hodan	17	10	1
Kenya	Nairobi	Kamukunji	1	0	0

Data sourced from PolIS as of 1 November 2018

Most recent cVDPV2 case (by date of onset)

Location: Jamaame West district, Lower Juba
 Onset of paralysis: 02 September 2018
 Age: 32 months, gender: female
 Vaccination status: zero doses of OPV or IPV

Most recent case cVDPV3 (by date of onset)

Location: Runingod district, Middle Shabelle
 Onset of paralysis: 07 September 2018
 Age: 05 months, gender: male
 Vaccination status: zero OPV doses, zero IPV doses

Population immunity

cVDPV3 outbreak response

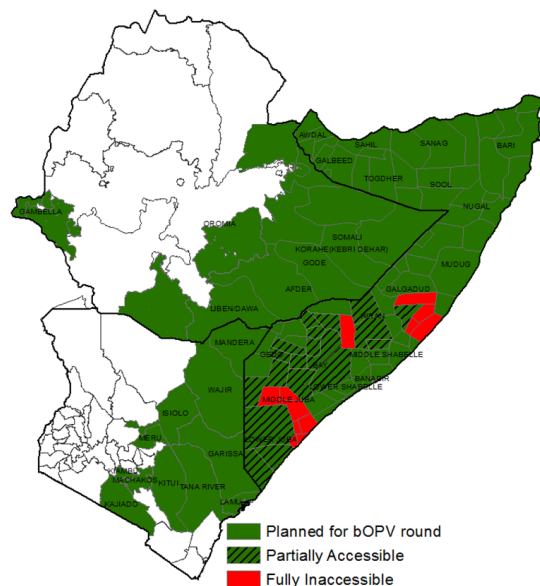
- Kenya conducted a fourth round of bivalent oral polio vaccine (bOPV) campaigns from the 20–24 October in 12 high risk counties bordering Somalia and Ethiopia. This campaign targeted 2,875,546 children under the age of five.
- Somalia launched their third round of bOPV campaigns on the 29 October in Somaliland, South and Central zones. Puntland is due to start on the 1 November. This campaign will target 3,072,909 children under the age of five with vaccines.
- A bOPV campaign was held in Djibouti from 23–26 October to proactively protect children against polio across the country.
- Ethiopia has postponed the third round of bOPV campaigns until 9–12 November in 42 Woredas in five zones bordering Kenya and Somalia, with a focus on refugee and internally displaced person camps. This campaign will target 526,262 children under the age of five.

cVDPV2 outbreak response

- A monovalent oral polio vaccine type 2 vaccination campaign is planned for the 19–22 November in Somalia South and Central zones.

Campaign supervision

- The Horn of Africa population immunity team provided supportive supervision to vaccinators, supervisors and coordinators in hard-to-reach areas of Kiambu and high-risk areas of Kamukunji counties of Kenya during the bOPV vaccination campaign from 20–24 October. The team assessed the cold chain, discussed challenges and proposed strategies to reach missed children.
- Along with representatives from the Bill & Melinda Gates Foundation, the population immunity team monitored high-rise vaccination campaigns in the Embakassi-East sub-county of Nairobi and in Kiambu town.



Areas of Ethiopia, Somalia and Kenya targeted by bivalent oral polio vaccine campaigns. WHO.

Surveillance

Somalia

- Somalia is now field testing newly revised surveillance tools (including case investigation forms). These will be utilised by field staff until December, at which point they will be evaluated, revised and introduced more widely in January 2019.
- Plans to introduce the Open Data Kit application in 2019 to improve active case searching efforts are in place.

Monitoring and evaluation

- Monitoring of country preparedness was conducted ahead of the October National Immunization Days in Somalia and Kenya.
- A risk assessment was conducted on 26 October to assess the outbreak response in Kenya.
 - ◇ Since the onset of the outbreak, one localised vaccination campaign and two broader rounds involving 12 high-risk counties have been conducted using mOPV2 in July and August. Two rounds using bOPV have also been held in the 12 counties in September and October to prevent international spread of cVDPV3 from Somalia.
 - ◆ Independent monitoring shows coverage ranging between 80 and 100% and a reduction in the number of missed children across rounds. Routine immunization coverage of OPV and the inactivated poliovirus vaccine has also improved in 2018, meaning that population immunity is good.
 - ◇ The sensitivity of the surveillance system in Kenya has greatly improved since the onset of the outbreak, with the deployment of STOP teams and CORE Group teams to provide support.
 - ◆ The number of acute flaccid paralysis cases reported in 2018 has increased compared to 2018 and there is evidence of active case searching, even in insecure areas.
 - ◆ The performance of the environmental surveillance site in Garissa has improved.
 - ◆ The CORE Group has established community-based surveillance in the cross-border counties and surveillance in refugee camps has been enhanced.
 - ◇ Based on the risk assessment, it has been proposed that efforts continue to enhance surveillance and routine immunization, and to conduct outreach to high risk populations with the inactivated poliovirus vaccine.

Coordination and support

- A call was held to update partners on the outbreak response in Ethiopia, Kenya and Somalia on the 25 October.
- The Horn of Africa Coordination Office is preparing for the upcoming Outbreak Response Assessment (OBRA) and Technical Advisory Group (TAG) meetings in November by coordinating with Country Offices and evaluating progress to date.
- A Horn of Africa outbreak response plan for 2019 is currently under development.

World Polio Day

- The 24 October was World Polio Day. Across the Horn of Africa, countries celebrated the bold steps taken by frontline health workers, social mobilisers, parents, religious leaders, surveillance officers, donors, governments and partners to end the outbreaks.

Somalia

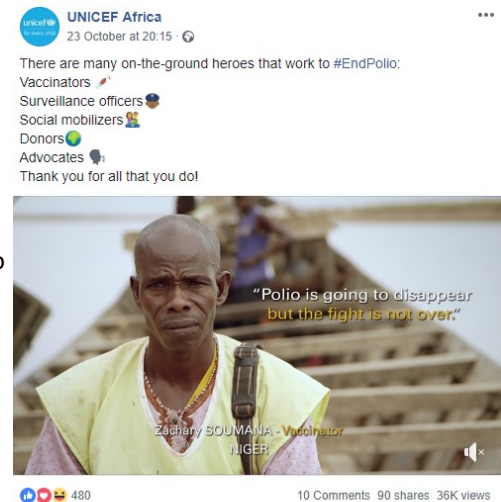
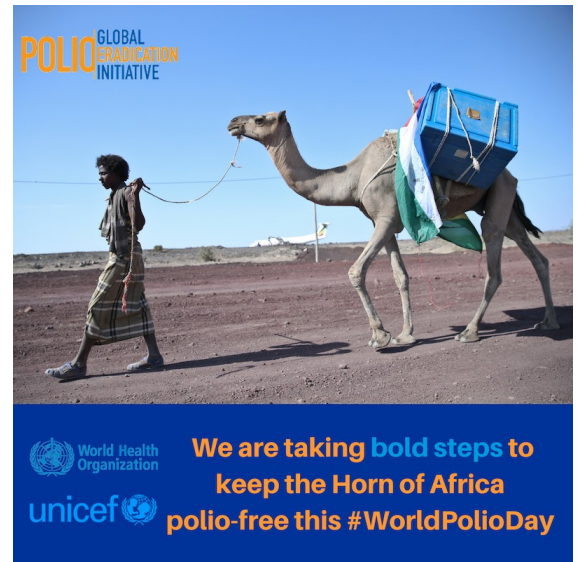
- UNICEF, WHO and the Ministry of Health commemorated the occasion with radio and television roundtable discussions on the importance of vaccination and the efforts of healthcare workers called 'Shai with Polio Experts' in Banadir and Somaliland. [Watch here.](#)
- An [open letter of thanks](#) to everyone working to stop the polio outbreak in Somalia was distributed to all staff by the WHO Head of Country Office and the UNICEF Representative.
- UNICEF and WHO distributed a [joint press release](#) to acknowledge progress and call for further commitment to end polio.

Ethiopia

- WHO, UNICEF and Rotary released a [joint statement](#) to reaffirm commitment to stopping polio in the Horn of Africa.
- WHO Ethiopia shared content on Twitter at [@WHOEthiopia](#) to thank frontline workers and mark progress

Horn of Africa

- UNICEF ESARO reached 8800 people through [Facebook](#) with World Polio Day, and posted multiple times on [Twitter](#).



Calendar of events

- Annual Regional Certification Commission meeting, Nairobi: 12-16 November 2018
- OBRA: 18—24 November
- HOA TAG Meeting in Nairobi: 26 - 29 November 2018

For more information please contact:

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Relevant links

- [Global Polio Eradication Initiative \(GPEI\) website](#), updated weekly.
- [Vaccine-derived polioviruses explainer](#) animation
- [Responding to an outbreak of VDPV](#) interview with Michel Zaffran, Director of Polio Eradication WHO
- [What is vaccine-derived polio](#) Q&A
- [GPEI vaccine derived poliovirus](#) factsheet
- [Somalia Weekly Situation Report](#)