

Somalia cVDPV Outbreak Response Situation Report #7

30 September 2018

Distribution of circulating vaccine-derived poliovirus type 2 (cVDPV2) & type 3 (cVDPV3) cases, Somalia, 2018



Summary

Number of new cVDPV2 cases this week: 1
 Number of new cVDPV3 cases this week: 2
 Total number of cVDPV2 cases : 4
 Total number of cVDPV3 cases : 5
 Total number of co-infection (cVDPV2 & cVDPV3) : 1

Outbreak grade: 2

Infected regions and districts

Region	District	cVDPV2	cVDPV3	cVDPV2 & cVDPV3
AFP Cases				
Hiran	Bulo Burti	0	0	1
Middle Shabelle	Warsheikh	0	2	0
	Mahaday	0	1	0
Gedo	Dolo	1	0	0
Banadir	Daynile	1	0	0
Fanole IDP camp	Kismayo	2	1	0
Contacts				
Hiran	Bulo Burti	0	3	0
Middle Shabelle	Warsheikh	0	1	0
	Mahaday	0	1	0
Gedo	Dolo	1	0	0
Fanole IDP camp	Kismayo	0	2	0
Healthy Children				
Lower Juba	Jamamme West	0	2	0
Environmental Surveillance				
Banadir	Waberi	6	4	1
Banadir	Hamerwoini	7	5	0
Banadir	Hodan	1	0	0

Most recent cVDPV2 case (by date of onset)

Location: Kismayo, Lower Juba
 Onset of paralysis: 30 July 2018, age: 24 months, gender: female
 Vaccination status: 5 OPV doses (5 SIA, 0 RI) / zero IPV

Most recent cVDPV3 case (by date of onset)

Location: Kismayo district, Lower Juba
 Onset of paralysis: 27 July 2018, age: 13 years, gender: male
 Vaccination status: 6 OPV doses / zero IPV

The boundaries and names shown and the designations used on this map do not imply official endorsement or acceptance by the United Nations. Source: Somalia, DFS, United Nations 2011

Situation update

- Somalia continues to experience two simultaneous outbreaks of cVDPV, with signs of ongoing transmission of both cVDPV2 and cVDPV3.
- This week, three new cases of cVDPV3 have been confirmed. Two cases were reported from Kismayo district, Lower Juba region and one case was reported from Mahaday district, Middle Shabelle region. The most recent case, from Kismayo district, had a date of onset of paralysis on 27 July 2018.
- The total number of cVDPV cases ten (10): four cVDPV2, five cVDPV3 and one case with a coinfection of cVDPV2 and cVDPV3.
- Three new environmental samples have confirmed the continued circulation of cVDPV3 (two) and cVDPV2 (one) in the known outbreak zones.

- Microplanning continues to ensure around 2.5 million children under five are reached in the upcoming bivalent Oral Polio Vaccine (bOPV) round in all 19 regions Somalia. A special focus will be on reaching children from nomadic populations and in areas sharing border with Ethiopia and Kenya.
- The World Health Organization (WHO) and UNICEF continue to work with Somalia's Ministry of Health and local partners on efforts to increase community awareness of polio and the outbreak response and to enhance surveillance and virus detection. Stemming the concurrent outbreaks will take strong commitment from all parties.

Immunization Response

cVDPV2

- A monovalent oral polio vaccine type 2 (mOPV2) immunization round targeting 50,000 children under five across Daynile district was successfully conducted between 19-22 September. A special focus was paid to the Afgoi corridor, internally displaced persons (IDPs) camps, areas bordering Daynile and Kahda district. Data is being finalized.
- Additional immunization rounds aiming to reach all children under five with mOPV2 in known outbreak areas in nine regions of South and Central Somalia will be carried out in November (19-22) . This round is planned to be synchronized with border regions of Ethiopia and Kenya as part of the broader Horn of Africa outbreak response.

cVDPV3

- The first of two national bivalent Oral Polio Vaccine (bOPV) immunization rounds planned for Somalia (and synchronized with Ethiopia and Kenya) will take place between October 1-4. Microplanning continues to ensure around 2.5 million children under five are reached in the bOPV round in all 19 regions Somalia. Available settlement data is being included in revised microplanning
- A detailed case investigation of the most recent cVDPV3 cases in Kismayo district, led by WHO, is underway. Case response plans may be adjusted following the completion of the investigation.
- Since the start of the outbreak, one round of national immunization days (NID) utilizing bOPV has been conducted, covering Puntland, Somaliland, South and Central zones. In total, more than 2.5 million children under the age of five have received bOPV at least once in 2018.
- Almost 1.5 million children under the age of 10 years were vaccinated with bOPV at transit vaccination points across Somalia as of August 9, 2018 (week 32). Among them almost 19,000 (1%) were vaccinated for the first time.

Communication 4 Development

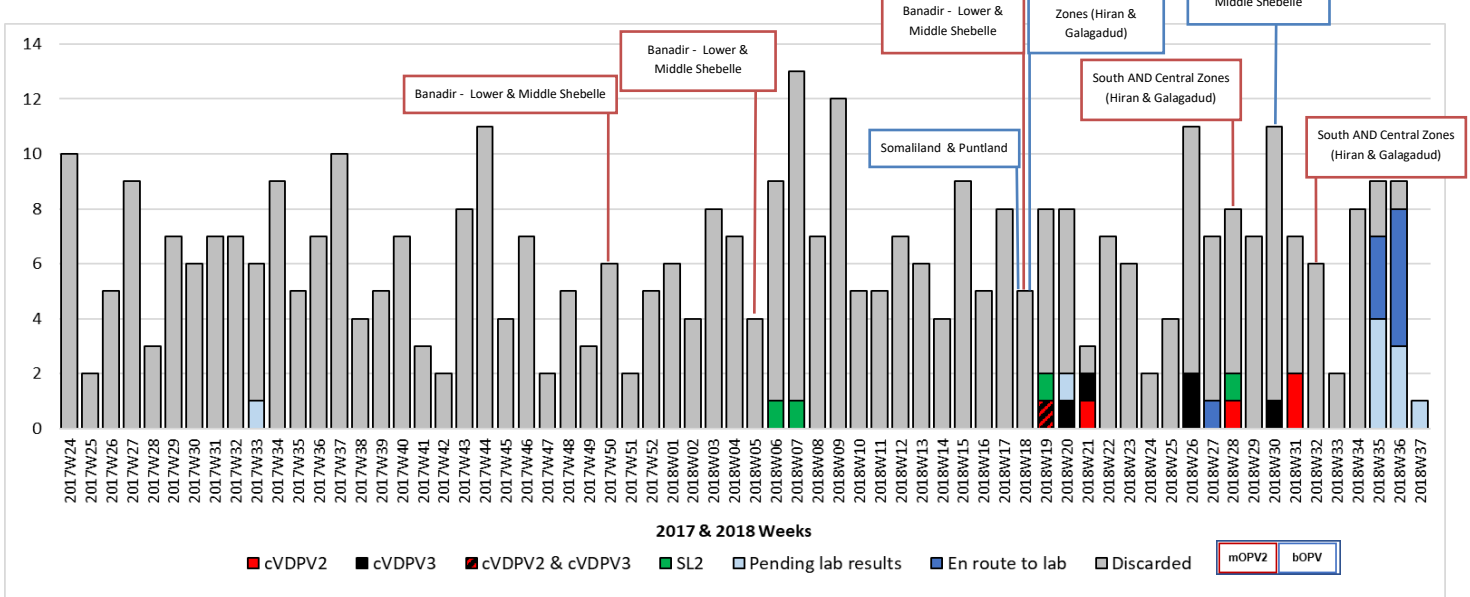
- Communication materials promoting vaccination amongst nomadic populations in Somalia have been developed to be broadcast ahead of and during the upcoming bOPV campaign.
- Sufficient vaccine stocks to be used in the October bOPV are available in all districts and regions.

Surveillance

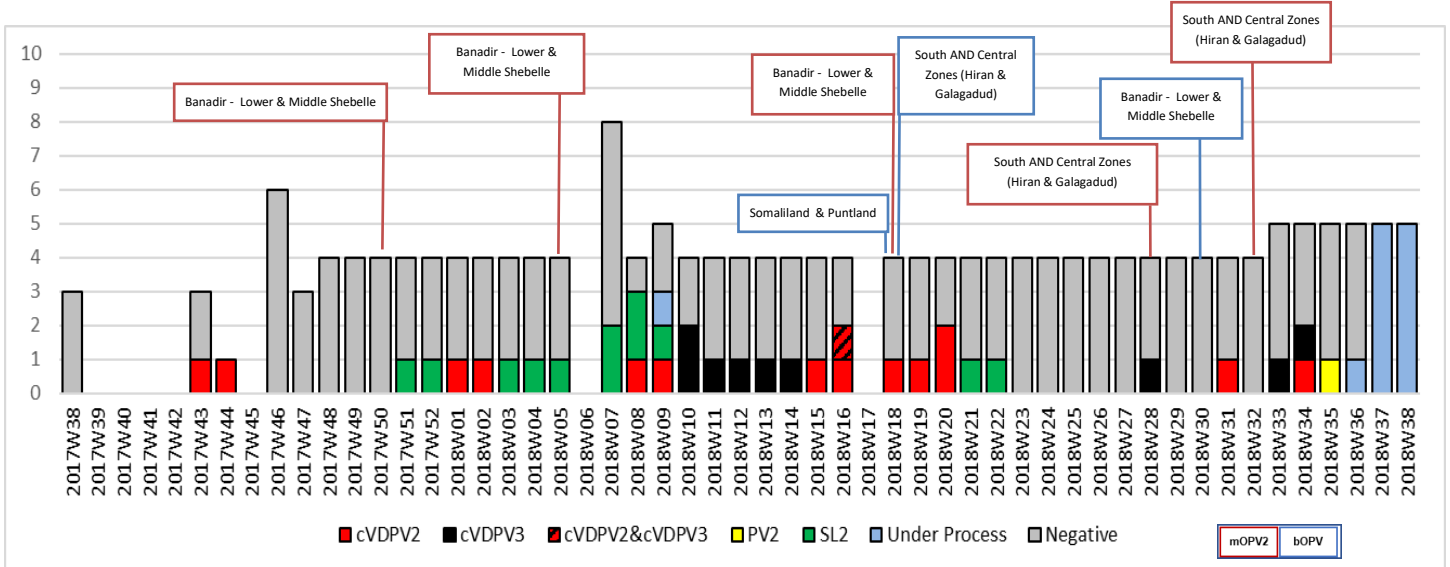
- Since the beginning of 2018, the total number of acute flaccid paralysis (AFP) cases detected in Somalia is 248. Of the 248 AFP cases 11.7% (n=29) were reported to have received zero doses of OPV.
- All regions except for one are meeting both key indicators for AFP surveillance: 3* or more non-polio AFP (NPAFP) cases per 100,000 children below 15 years of age, and 80 percent or above AFP cases with adequate specimens. Banadir (2.6) is not meeting the NPAFP rate.
- Somalia continues to conduct weekly environmental sampling from five sites as part of efforts to enhance surveillance. Three new environmental samples are awaiting sequencing from the CDC lab.
- The polio programme in Somalia continues to focus on additional measures to boost surveillance capacity. Sampling from AFP contacts and healthy children from selective inaccessible areas continues. In addition, increased attention is being paid to active case search in community and prioritized health facilities in public, private/NGO sector, and informal health care providers.

*NPAFP target in an outbreak setting is 3 per 100,000 children below 15 years of age

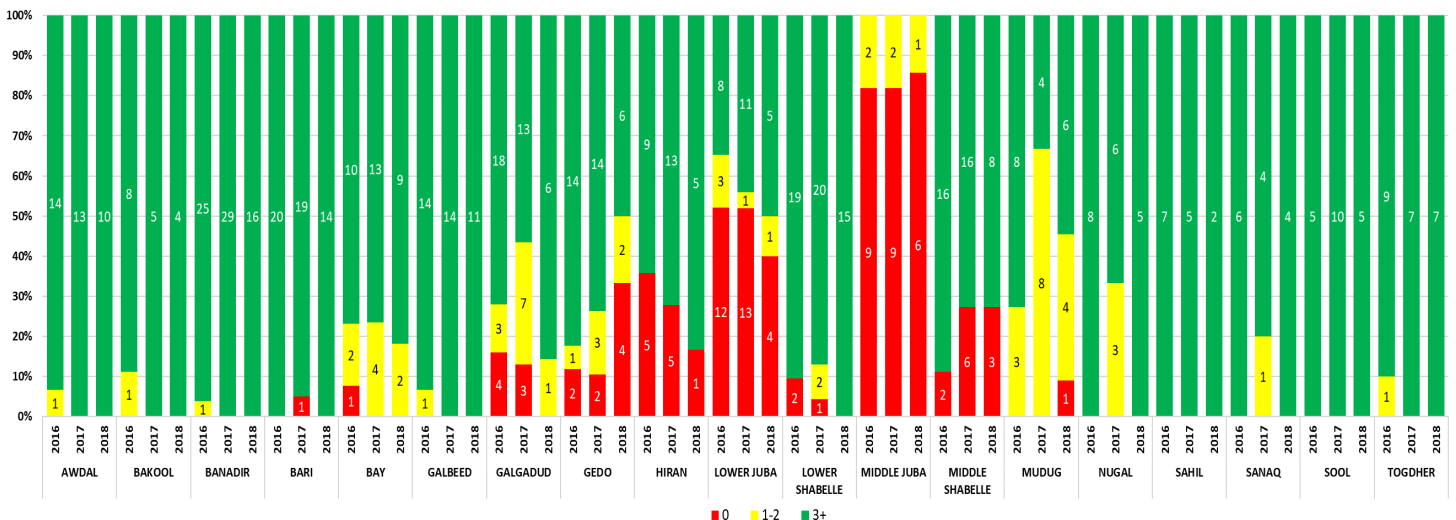
EPI Curve and AFP classification (up to 26 September 2018)



Environmental surveillance by classification, 2017-2018 (up to 26 September 2018)



Vaccination Status (OPV) of Non-polio AFP cases aged 6-59 months by region, 2016-2018 (up to 26 September 2018)



Relevant Links

- [Global Polio Eradication Initiative \(GPEI\) website](#), updated weekly.
 - [Vaccine-derived polioviruses video](#)
 - [Responding to an outbreak of VDPV video](#)
 - [What is vaccine-derived polio?](#)
 - [GPEI factsheet—VDPV](#)
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