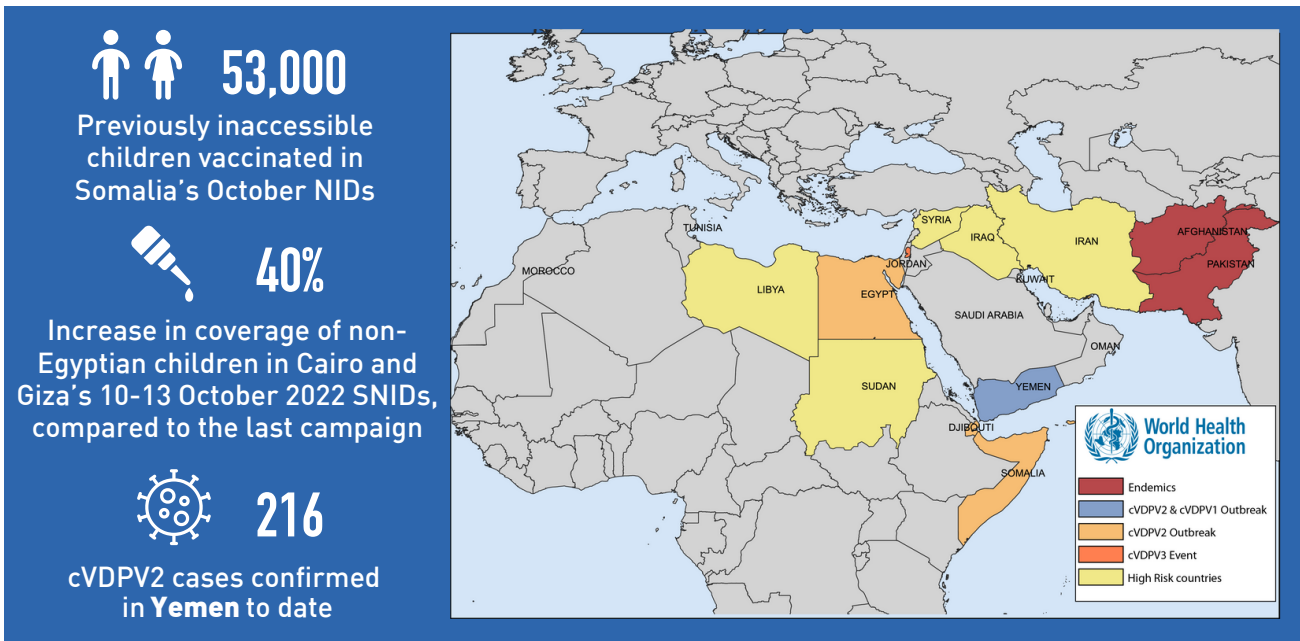


MENA EMR REGIONAL CVDPV OUTBREAKS

Issue #28 | Week 43 (ending 27 October 2022)



SITUATION UPDATE

- Circulating vaccine-derived poliovirus type 2 (VDPV2) isolates, 2022 to date:
 - Djibouti: 0 AFP; 12 ES
 - Egypt: 0 AFP; 6 ES
 - Somalia: 4 AFP; 3 ES
 - Yemen: 150 AFP; 3 ES
- **Somalia** has confirmed a new cVDPV2 isolate from an AFP case in Daynile district, Banadir administration, with date of onset 16 July 2022 and belonging to the emergence group SOM-BAN-1; it has also detected one PV2 in ES from Hamer Weyn district, Banadir administration (ES/SOM/BAN/HMW/KAW/22/014), collected on 26 July 2022; sequencing results awaited from CDC.
- The sixth meeting of the Regional Subcommittee for Polio Eradication and Outbreaks took place on 11 October 2022 as part of the sixty-ninth session of the WHO Regional Committee for the Eastern Mediterranean; [see video message from Director of Polio Eradication in EMR Dr Hamid Jafari](#).



EPI AND SURVEILLANCE UPDATE

DJIBOUTI



- Analysis of the cVDPV2-positive ES isolate collected on 22 May 2022 (ENV-DJI-ART-DOU-22-009) and reported in the last issue shows it has 19 nucleotide differences (nt diff) from Sabin 2, is genetically linked to the cVDPV2 sequence for ENV-DJI-ART-DOU-21-013 (nt diff=5), and belongs to the emergence group YEM-TAI-1. Since the first isolation in October 2021, 17 cVDPV2 isolates have been confirmed in Djibouti, all through ES.
- In 2022 to date, 14 AFP cases have been reported, surpassing the NPAFP emergency surveillance benchmark of 3/100,000. Stool adequacy is low as most cases were found during active case search, but this indicator is expected to improve as the Field Epidemiology and Laboratory Training Programme (FELTP) is rolled out and trained staff posted throughout the country.

EGYPT



- There has been no detection of the **Yemen** cVDPV2 cluster since 30 March 2022, though the risk of repeated importation remains high, given both the uncontrolled nature of the Yemen outbreak, and the regular movement of people between Egypt and Yemen.

SOMALIA



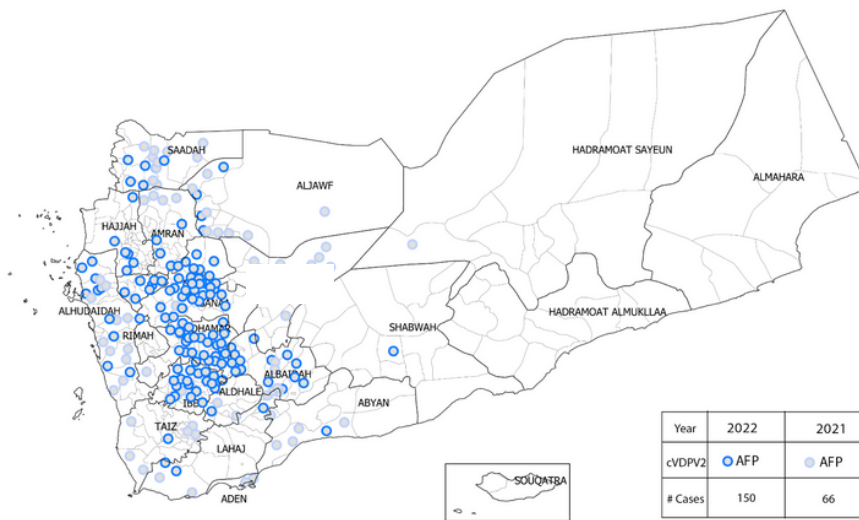
- On 30 September 2022, the lab confirmed one new cVDPV2 isolate: the AFP case from Danyile district (SOM-BAN-DYN-22-003) has 67 nucleotide differences (nt diff) from Sabin 2 and is genetically linked to the cVDPV2 sequence for ENV-SOM-BAN-WBR-T00-22-005 (nt diff=7).
- In 2022 to date, seven cVDPV2 isolates confirmed (four AFP cases and three ES samples):
 - Date of onset of most recent cVDPV2 case: 16 July 2022.
 - Collection date of most recent cVDPV2-positive ES sample: 19 May 2022.
- One sequencing result is pending for PV2 isolated from:
 - ES/SOM/BAN/HMW/KAW/22/014, collected on 26 July 2022.

YEMEN

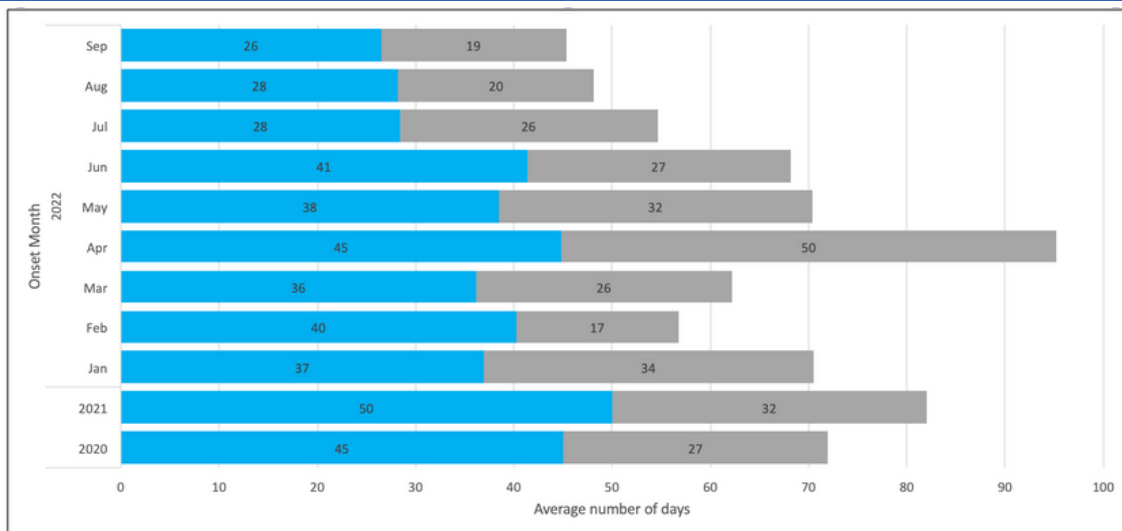


- A total of 216 cVDPV2 cases have been reported; samples from 166 AFP cases are pending testing.
- The circulating vaccine-derived poliovirus type 1(cVDPV1) case count remains 35 cases in two governorates; the last case had onset of paralysis on 27 March 2021.
- Surveillance training for APF focal persons was conducted in three southern governorates (Aden, Shabwah and Al- Mahrah).
- Significant improvements have been made in slashing the time from the collection of stool samples to receipt of results, from 70 days in Q2 to 59 days in Q3.

CVDPV2 CASES IN YEMEN



YEMEN: TIMELINES OF SAMPLE PROCESSING BY DATE RECEIVED IN THE LAB, 2020 TO 2022



Source: [afp.rec](#) (as of October 15, 2022)



OUTBREAK RESPONSE UPDATE

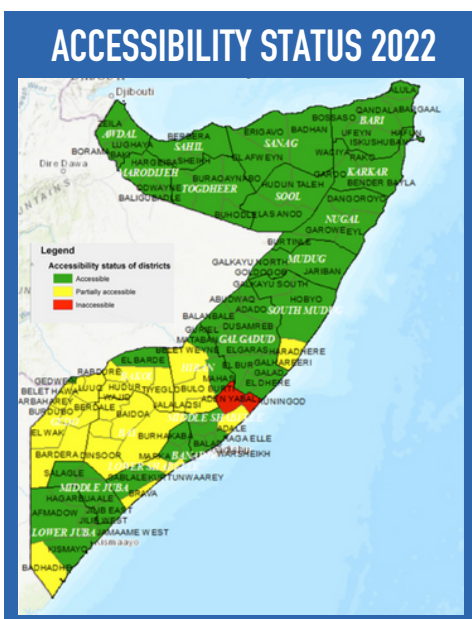
DJIBOUTI

- R1 of two planned post-breakthrough NIDs was carried out over 10-14 October 2022, using nOPV2:
 - 156,194 children targeted.
 - Overall administrative coverage was 101% (ranging between 93%-107%).
 - Tadjourah is the only province with administrative coverage below 95%.
 - LQAS passed in all regions except in Djibouti ville (4/12 failed).
 - A pre-R2 campaign review meeting is planned.
- Preparations for R2 are ongoing, with target dates of 13-17 November 2022.

EGYPT

- SNIDs in Cairo and Giza were completed on 13 October 2022:
 - Initial LQAs report showed no cluster failed between 60-80%.
 - Administrative coverage showed 97% with a 40% increase in coverage of non-Egyptian children compared to the last NIDs in Cairo and Giza.
- An NID using nOPV2 has been approved for December 2022; preparations are ongoing.
- An internal surveillance review conducted in September 2022 concluded that high staff turnover at district level negatively affected surveillance sensitivity and the quality of AFP active visits at the main hospitals. Reviewers recommended a training workshop for surveillance officers working in high priority districts and offering additional training for new surveillance officers before they join the programme.
- WCO EGY in coordination with the RO team has planned a training workshop for surveillance officers and EPI managers at the governorate level to review outbreak response activities and assess the knowledge of staff at the sub-national level before the end of 2022.

SOMALIA



- U10 SNIDs-R2:
 - Six-day mOPV2 campaign ran 22-27 October 2022.
 - Access negotiation successful to vaccinate in Baidoa (target: 53,620 U10 children) but failed in Dinsor.
- Integrated measles/polio vaccination campaign:
 - 4,092,391 tOPV doses have arrived at the Mogadishu cold store.
 - Campaign will start on 6 November 2022.
- tOPV:
 - 30,000 doses of tOPV are in Mogadishu.
 - Implementation of tOPV will start after the current SNID-U10, to avoid confusion as mOPV2 is used for SNID-U10.
- NID-2 is still pending in Somaliland for political and administrative issues.

SUDAN

- Federal Ministry of Health and partners held a press conference on 15 September 2022 declaring the cVDPV2 outbreak successfully stopped and closed.
- Following the Outbreak Response Assessment findings and official closure of the outbreak, Sudan developed an action plan to maintain and enhance sensitive surveillance, outbreak preparedness, and routine and essential immunization.

YEMEN

- tOPV validation at the district level in the southern governorates is complete, having been carried out by independent monitors.
- Multi-track advocacy efforts continue with an aim to gaining consent from the northern authorities to implement a quality polio vaccination campaign in those governorates.
- Social mobilization activities through different channels are focusing on routine immunization to increase vaccine demand and coverage.

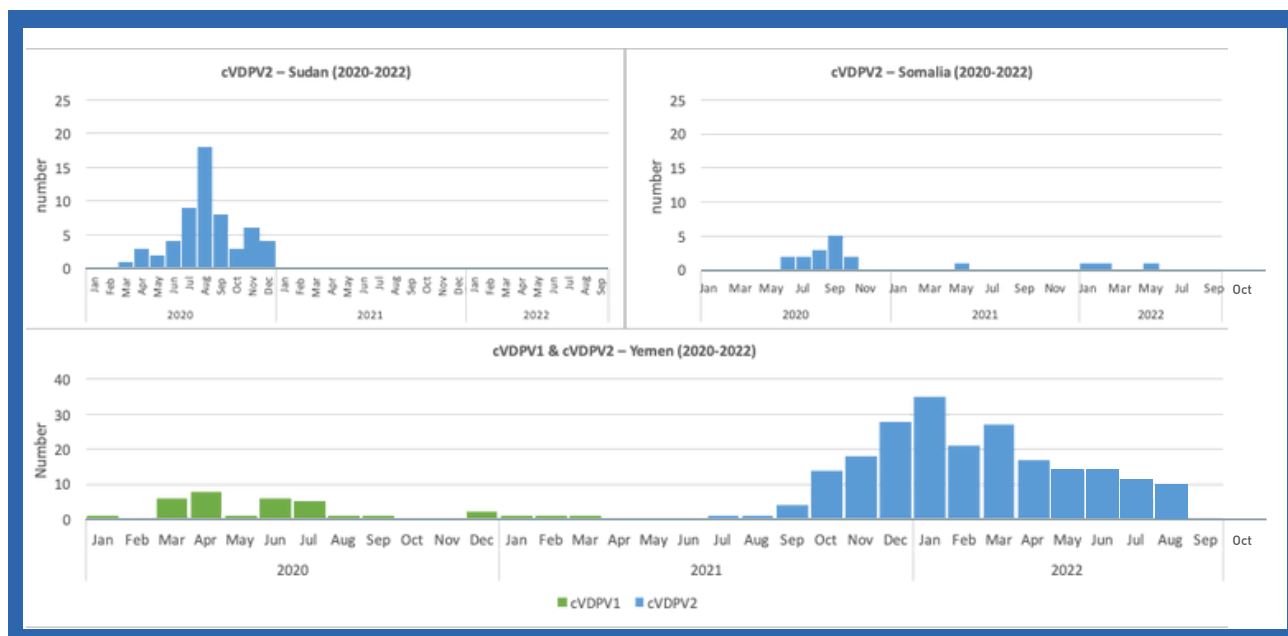


REGIONAL COORDINATION

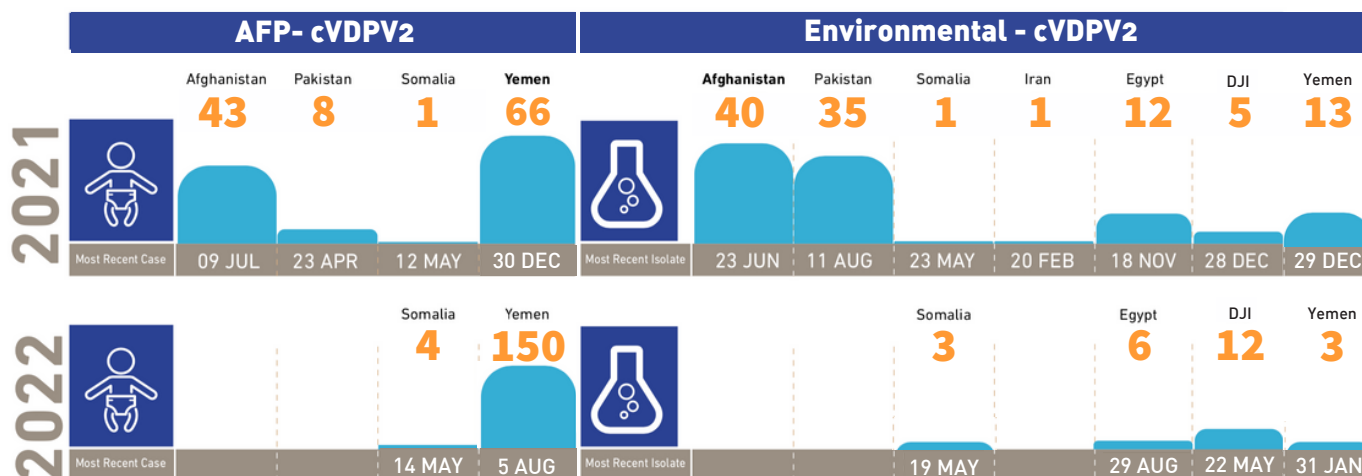
- Regular coordination continues with weekly IMST and ORPG meetings, and the Regional Incident Managers (RIMs) continue to lead coordination between country and regional levels.
- IMST is organizing a meeting over 13-14 November 2022 in Amman, **Jordan**, focused on outbreaks in **Somalia** and **Yemen** with GPEI partners. The objectives are to develop a common understanding on the progress and challenges and finalize Emergency Action Plans for stopping cVDPV2 transmission in Somalia and Yemen including resource requirements and contributions from other stakeholders in implementation of Emergency Action Plans. Participants of this meeting include representation from GPEI partner agencies from HQs (BMGF, CDC, Gavi, UNICEF, WHO), EMRO Polio and UNICEF MENA, UNICEF ESA, and WHO and UNICEF Polio focal points from Somalia and Yemen.
- Following the last meeting between the Outbreak Response and Preparedness Group (ORPG) and the Incident Management Support Team (IMST) in June 2022 in London, a one-day meeting is taking place on 15 November 2022 in Amman, **Jordan**. The purpose of this ORPG-IMST meeting is to take stock of progress and challenges in 2022 and plan for priorities in 2023 for polio outbreak response and preparedness.
- On 12th October, **Yemen** participated in the 33rd IHR Emergency Committee for Polio.



OUTBREAK EPI CURVES



ALL cVDPV2 OUTBREAKS IN THE EMR



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Relevant links:

- [Global Polio Eradication Initiative \(GPEI\) website](#)
- [Polio Eradication Strategy 2022–2026](#)
- [Regional Subcommittee on Polio Eradication](#)
- [GPEI factsheet—VDPV](#)
- [Vaccine-derived polioviruses animation](#)

