EMPHNET
The Eastern Mediterranean Public Health Network

GHD | EMPHNET: working together for better health

Project Information

- **Department: Public Health Programs**
- **Unit: Polio and Immunization**

Strengthen laboratory capacity for poliovirus surveillance and transmission dynamics in Jordan to accelerate poliovirus detection and drive emergency response efforts

Objectives

The objectives of this activity are to enhance laboratory infrastructure, provide advanced equipment such as a sequencer, supply essential reagents, consumables, and renewable materials, and build the technical skills of laboratory personnel. By doing so, the activity strengthens the ability of polio referral labs to accelerate emergency response efforts, curbing outbreaks before they escalate, and supporting evidence-based decision-making for public health interventions in the EMR and beyond.

REGIONS OF WORK

Jordan National Polio Lab

BENEFICIARIES

The beneficiaries of this activity include laboratory personnel, polio program managers, and public health stakeholders in Jordan and the broader EMR. Strengthened laboratory capacity benefits national and regional health authorities by enabling timely detection, confirmation, and reporting of poliovirus cases, which in turn improves outbreak containment and program effectiveness.

PROJECT PHASES

The project phases include the procurement and installation of laboratory equipment and consumables, training and mentoring of laboratory staff, and ongoing technical support and quality assurance. GHD, in close coordination with CDC, will define the specific support needed and monitor implementation to ensure the activity achieves its intended objectives.

PROJECT DESCRIPTION

EMPHNET, in collaboration with CDC and WHO, supported the Jordan MoH in strengthening laboratory capacity, which is critical for enhancing rapid poliovirus detection and monitoring transmission patterns and dynamics. The activity built the capability of polio laboratories, particularly the polio referral lab in Jordan, to generate timely, high-quality data that informs outbreak response and disease prevention strategies. Improved laboratory capacity directly supports global polio eradication goals and reinforces regional and international health security by preventing cross-border transmission of poliovirus.

Project Start and End Date	**08/1/2025 – 07/31/2026**
Funded by	**Centers for Disease Control and Prevention (CDC)**
Collaborators	**Ministry of Health and World Health Organization WHO**

Currently . . .

The activity was fully completed by the end of the project period on 31 July 2026. The planned laboratory equipment, consumables, and reagents were procured and installed, and capacity-building sessions and technical support for laboratory personnel were delivered in coordination with the Ministry of Health, WHO, and CDC

What is next . . .

With the activity completed, the strengthened laboratory capacity is in place to support rapid poliovirus detection, confirmation, and reporting in Jordan. The laboratory is expected to sustain these gains through routine quality assurance and mentorship, contributing to regional poliovirus surveillance and outbreak response in the EMR.

OUTCOMES By NUMBERS

1 sequencer machine successfully delivered and installed along with all the needed equipment's, supplies and reagents

EMPHNET Information: Eastern Mediterranean Public Health Network (EMPHNET) works at achieving its mission by responding to public health needs with deliberate efforts that allow for health promotion and disease prevention.

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