Status of polio surveillance in transition countries

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SUSTAINING ESSENTIAL POLIO FUNCTIONS IN THE CONTEXT OF POLIO TRANSITION

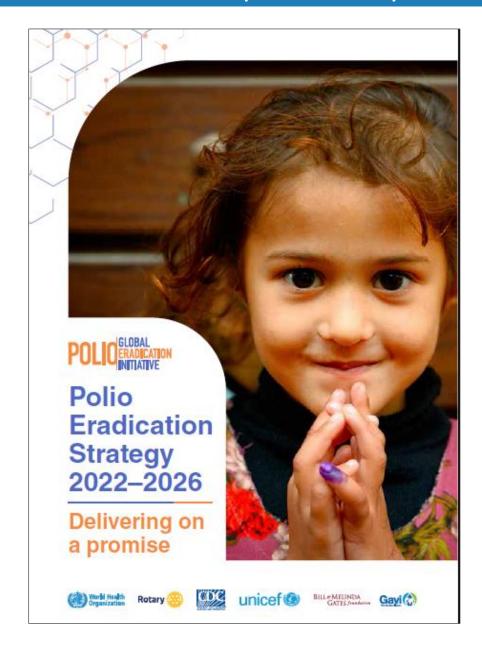
Virtual Meeting of the Global Polio Partners Group (PPG) - Surveillance "Deep Dive - I" May 11, 2022

Outline

- GPEI Polio Surveillance Action Plan
 - -Risk assessment
 - Priority countries versus GPEI supported countries
 - Priorities in the action plan: AFP incl. CBS, ES, Lab, Information Management
- Surveillance performance
 - -Overview
 - -Trends for 2022*
- Funding/resource allocation
- Management and accountability
- Risks

GPEI Strategy and GPEI Surveillance Action Plan

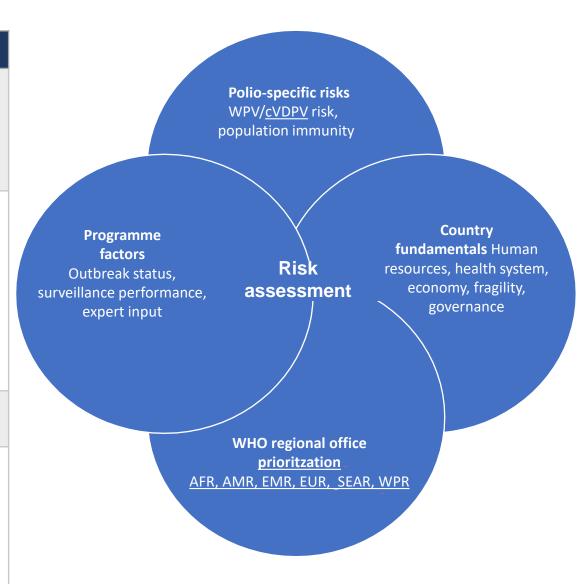
Global action plan developed to effect objectives of the GPEI strategy



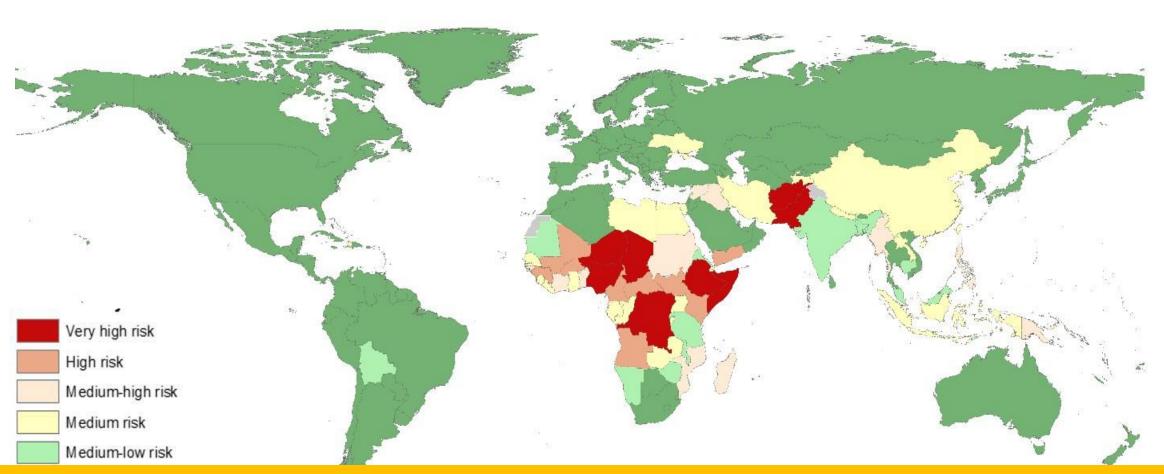


Risk Assessment – key factors Transition NOT a consideration in the risk assessment

Factor	Description
Polio-specific risk	 WPV and VDPV epidemiology over the past decade, with countries with prolonged and/or recurrent poliovirus circulation at higher risk; and population immunity level, including essential immunization, with countries with a higher number of underimmunized populations at higher risk.
Country fundamentals	 governance and fragility, recognizing that fragile countries and countries with weaker governance are at higher risk; economy, recognizing that countries with weaker economies and/or dependent on external financing are in need of greater GPEI financial support; human resource capacity, recognizing that countries with lower human resource capacity need more in-country technical support; and health system indicators, recognizing that countries with weaker health systems require more focused polio-specific surveillance system development and support.
WHO regional office prioritization	WHO regional risk assessments included to further adjust risk.
Other programme factors	 current outbreak status (for low-risk countries, risk is automatically increased if country has an ongoing outbreak); surveillance performance (underperformance, especially delayed timeliness of detection elevates the risk); and expert input by the GPEI Surveillance Group. (Without fundamentally changing the overall risk assessment, feedback from members of the Surveillance Group was used to make adjustments.)



Country-level risk assessment (as of January 2022)" Countries classified as Very High Risk, High Risk and Medium High Risk considered



- Prioritization adjusted biannually with detailed data review occurring annually
- Changes also made if outbreak occurs in otherwise low risk countries
- Following WPV1 detection in Malawi, Malawi and neighbouring countries included in priority countries

Acute Flaccid Paralysis (AFP) and Environmental surveillance

Focus is on enhancing quality at subnational level and improving timeliness of

detection

Priorities for 2022/2024

- Cross-cutting
 - Improve timeliness at every level in priority countries
 - Facilitate a **skilled workforce** and promote integration
 - Expand the use of electronic data collection tools
- AFP surveillance
 - Targeted efforts to identify and address subnational gaps in priority countries
 - Targeted community-based surveillance
 - Implement focused M&E activities, including critical review of surveillance processes and data for action
 - Promote integration of AFP surveillance with other health programmes
- Environmental surveillance
 - Improve quality of ES in underperforming countries

Countries planning to initiate, expand, or optimize environmental surveillance

WHO region	ES initiation planned	ES expansion planned	ES optimization planned
African	Botswana, Eritrea, Malawi, Rwanda, Zimbabwe		Burkina Faso, Cameroon, DRC, Eq Guinea, Gabon, Mozambique, Niger, Togo
Eastern Mediterran ean	Iraq, Libya, Oman, Saudi Arabia, Tunisia, United Arab Emirates	Afghanistan, Iran, Lebanon, Somalia, Yemen	Pakistan
South-East Asian		Bangladesh, India, Nepal, Thailand	Indonesia
Western Pacific	Cambodia, Republic of Korea, Lao, Mongolia	Viet Nam	Papua New Guinea*
European	Kyrgyzstan		
Americas		Guatemala, Haiti	

^{*}ES has not been operational during COVID-19 pandemic and needs to be reactivated

Stratogic expansion of ES network

Information and Data ManagementPriorities for 2022/2024

Major activities

- Assess information and data management needs for priority countries
 - Joint assessment starting with VHR and HR countries
- Upgrade archaic polio information systems to web-based systems
 - Special focus on labs
 - Interoperability a priority
- Develop an online system to track specimen collection and transport
 - Implementation in at least 4 priority countries
- Adapt the information management system and shift from paper-based to electronic data collection tools
 - ✓ Tools for active surveillance e.g. eSurv, ISS other ODK-based tools
 - ✓ Tools for case investigation e.g. electronic CIF
 - × Community-level tools e.g. AVADAR

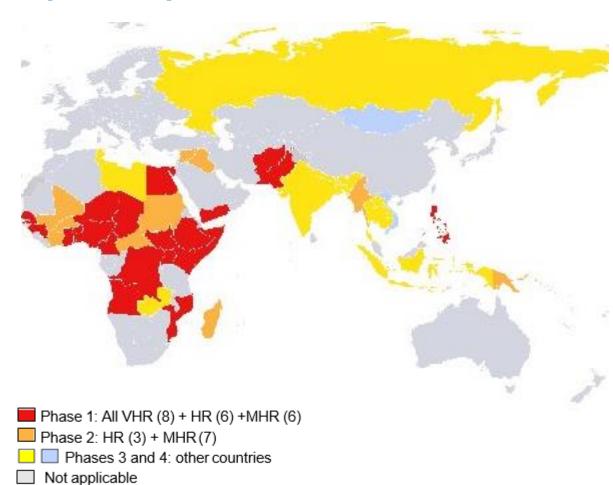
Upgrading from archaic IFA systems to WebIFA

Country	Country field surveillance	AFP and/or ES	Status for planning
PAK	Afghanistan	AFP and ES	Completed
1741	Pakistan	AFP and ES	Completed
UGA	South Sudan	AFP and ES	Underway
	Uganda	ES only	Underway
NIE	Nigeria	AFP and ES	Haulted
BAN	Bangladesh	AFP and ES	2022
EMR	ALL Eastern Mediterranean countires	AFP and ES	2022/23
ETH	Ethiopia	AFP and ES	2022
KEN	Kenya	AFP and ES	2022
	Somalia	AFP and ES	2022
SA	(As a regional reference lab)	AFP and ES	2022
SEN	Niger	AFP and ES	2022
0211	Senegal	AFP and ES	2022
CIV	Côte d'Ivoire	AFP and ES	2023
CMR	Cameroon	AFP and ES	2023
	Chad	AFP and ES	2023
DRC	Democratic Republic of the Congo	AFP and ES	2023

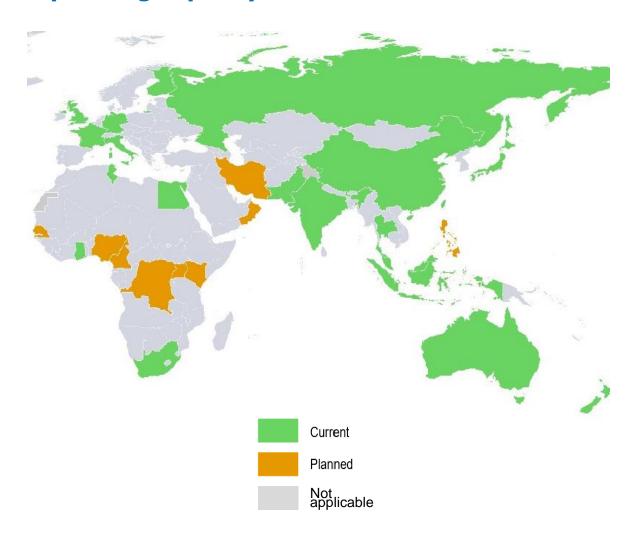
Laboratory Network

Implementation of direct detection and expansion of sequencing capacity prioritized

Phased implementation of direct detection (countries)

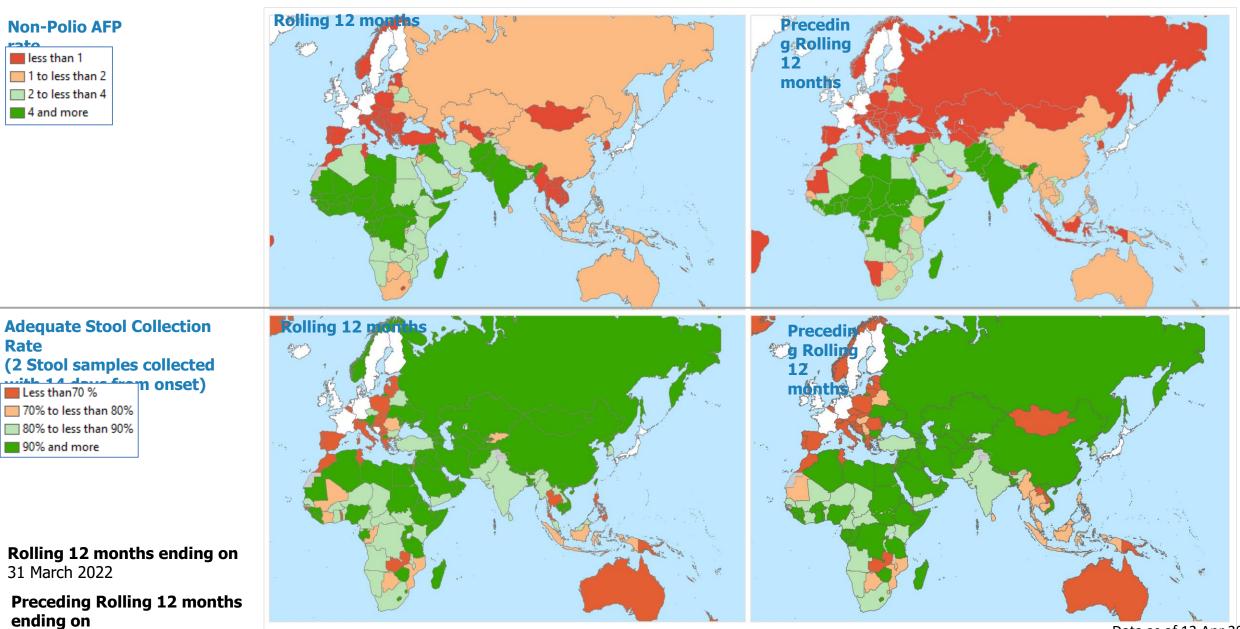


Current and planned expansion of sequencing capacity



Global surveillance performance at country-level

Rebound in quality from the decline associated with COVID19 ongoing



21 March 2021

Data as of 12 Apr 2022

Giodai surveillance performance – provincial level

Sub-national gaps decreasing in AFR but persisting Southern Africa, parts of





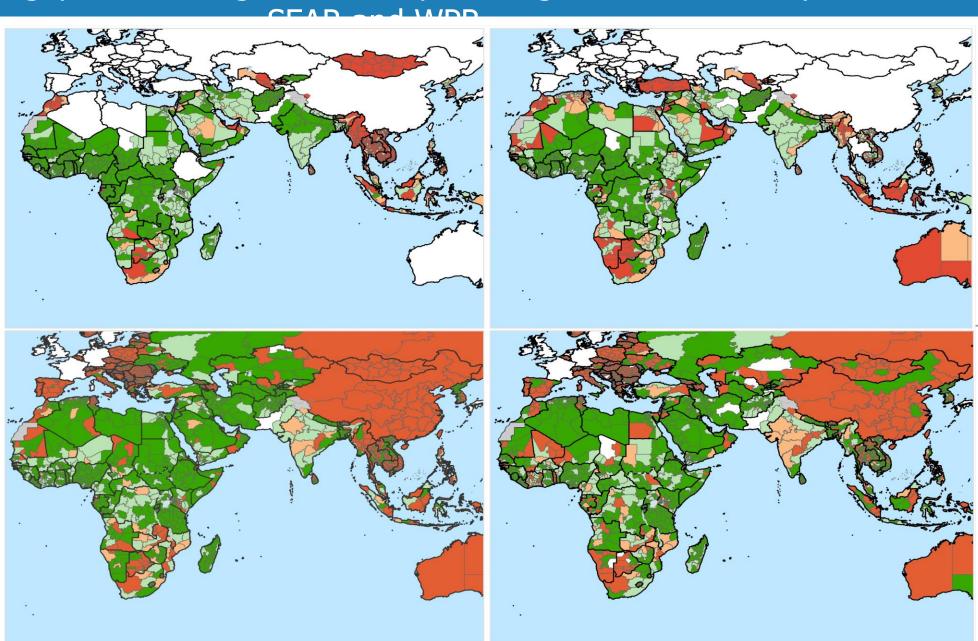




Less than 70 % m onset)
70% to less than 80%
80% to less than 90%
90% and more

Rolling 12 months ending on 31 March 2022

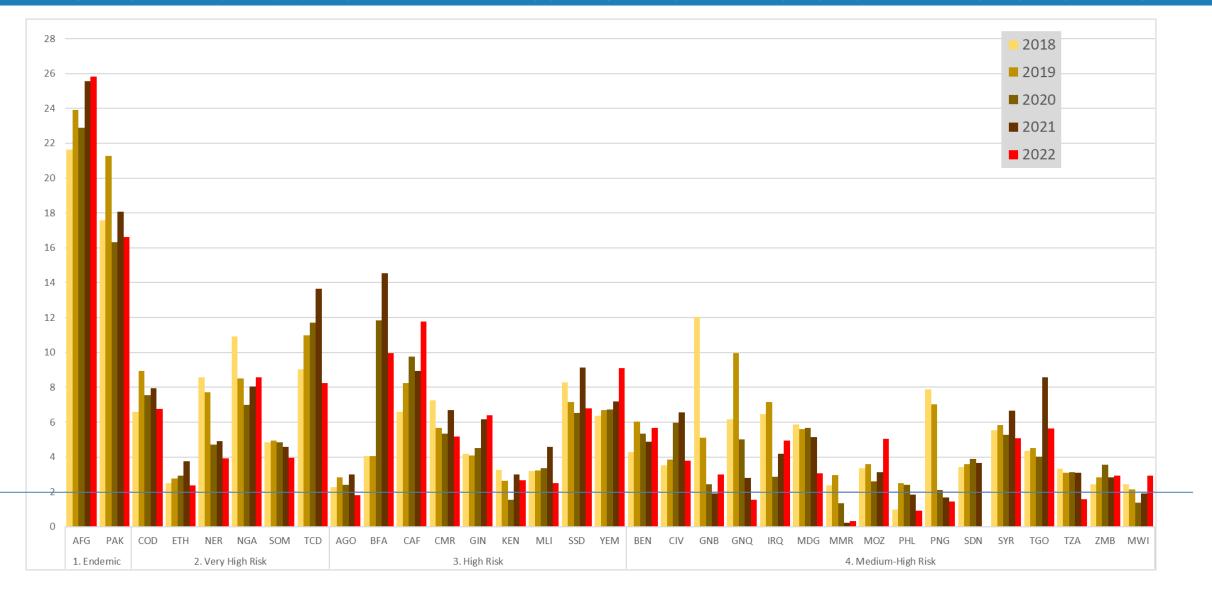
Preceding Rolling 12 months ending on



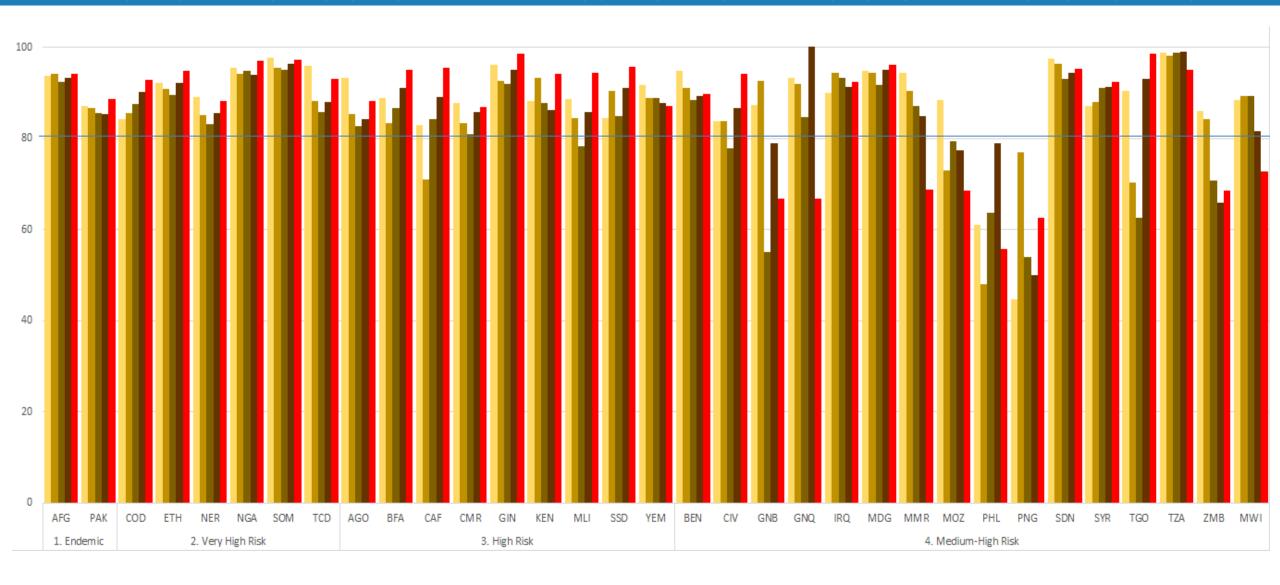
21 March 2021

Data as OI 12 Apr 2022

Trends of NPAFP rate in priority countries Performance varied across risk tiers but no evidence variations linked to transition



Trends on adequate stool collection rates, 2018-2022* Performance varied across risk tiers but no evidence variations linked to transition



Surveillance Resource Allocation

All countries - regardless of transition status - received surveillance funds for 1st half of year

GPEI Surveillance Budget

- Endemics + AFR 10 + Somalia
- Laboratory
- HQ/RO

WHO Base Budget

 Countries previously supported and transitioned to integrated public health

Outbreak Budget

Countries experiencing outbreaks and/or included in the outbreak zone

Example from ongoing African Region Intercountry Review and Planning Workshop

#	Country	Outbreak	GPEI	WHO Base
1	Angola	✓	\checkmark	
2	Botswana			\checkmark
3	Burundi			\checkmark
4	DRC	\checkmark	\checkmark	
5	Ethiopia	\checkmark	\checkmark	
6	Kenya	\checkmark	\checkmark	
7	Malawi	\checkmark		\checkmark
8	Mozambique	\checkmark		\checkmark
9	Namibia			\checkmark
10	Rwanda			\checkmark
11	South Sudan	\checkmark	\checkmark	
12	Tanzania	\checkmark		\checkmark
13	Uganda	✓		\checkmark
14	Zambia	\checkmark		\checkmark
15	Zimbabwe			\checkmark

Polio surveillance – management and accountability GPEI fully involved in supporting countries address surveillance gaps



GPEI Surveillance Group inperson meeting 27 – 29 April 2022, Geneva Switzerland



African Region Inter-country Review and Planning Workshop 9 – 12 May 2022, Nairobi, Kenya



Eastern Mediterranean Region Intercountry Polio Surveillance Meeting 10 - 12 May 2022,

Risks and mitigation

Risk	Mitigation	
 Overall GPEI funding under severe stress has implications for surveillance budget too Budget underfunded by USD100 Outbreak response pace has increased following challenges in preceding years Additional demands on outbreak response budget e.g. increased demand for nOPV2, importation of WPV1 	 Fully funding GPEI FRR Intensive effort underway on both resource mobilization Active management of budget enhanced and work underway at all levels to enhance efficiencies 	
Decreased flexible funding	As much possible, providing flexibility. This includes funds allocated for surveillance not being linked specifically to surveillance sub-elements (e.g. environmental surveillance, lab)	
Support for transition countries beyond 2022	 Supporting surveillance funding for all priority countries DG committed to provide necessary support; RM efforts for 2023 should be supported 	
Surveillance performance declining in transition countries due to decreased scrutiny at all levels	Continued engagement with all relevant departments within WHO and across all levels Maintaining GPEI monitoring - GPEI monitoring and support remains robust	