

# POLIO | GLOBAL ERADICATION INITIATIVE

## Post-Certification Strategy (PCS) Update

Polio Partners Group

BILL & MELINDA  
GATES foundation



# Polio Eradication and Endgame Strategy



1. Poliovirus detection & interruption
2. OPV2 withdrawal, IPV introduction, immunization system strengthening
3. Containment & global certification
4. Transition Planning

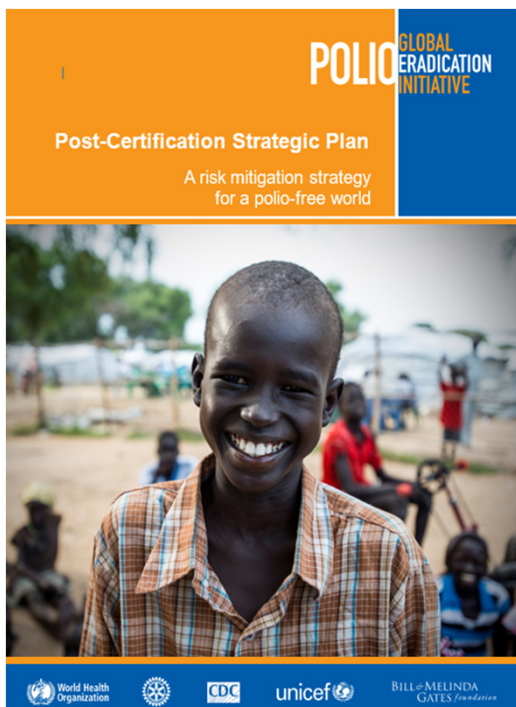
#### Objectives:

- *Mainstream polio-essential functions to sustain global eradication*
- Support country transition planning
- Capture lessons learned

**Focus of the *Post-Certification Strategy***

# Post-certification Strategy (PCS)

**Purpose:** *High-level guidance for maintaining a polio-free world after global certification of wild poliovirus eradication.*

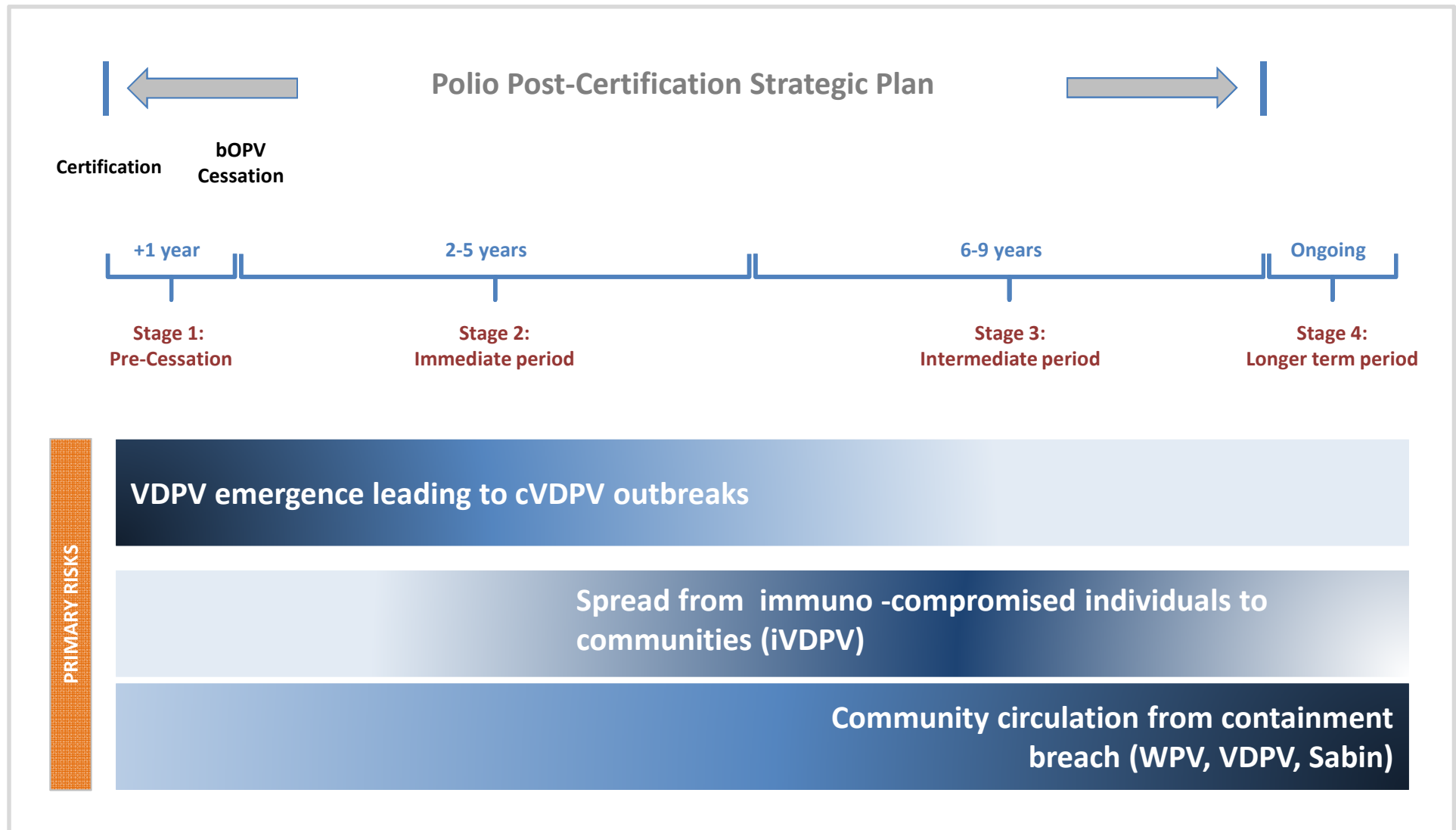


- Functions required to sustain polio eradication
  - Future risks jeopardizing eradication
  - Mitigating strategies
- Global/regional requirements and general country expectations
  - Does not provide detailed national guidance
- Recommendations independent of future ownership
  - Governance, implementation, and resource mobilization plans to be developed with future stakeholders

## Assumptions at the time that PCS begins

- **Global eradication of all WPV will be certified** and all regions will have met the expected certification criteria for surveillance and immunity
- **The likelihood of poliovirus re-emergence will decrease with time, but the seriousness of the consequences of any re-emergence will increase with time.**
- Detection of any poliovirus (WPV, VDPV, or Sabin >4 months after last use of mOPV or post-bOPV cessation) will have to be **reported to WHO under the International Health Regulations (2005) [IHR]** and will lead to the declaration of a national emergency and response.
- Sustaining **polio eradication** will be a **core objective of GVAP 2021-2030**

# Risks from poliovirus after certification



## PCS Goals

**Purpose:** Sustain a polio-free world

**Goal 1: Contain  
Poliovirus  
Sources**

- Ensure potential sources of poliovirus are properly controlled or removed

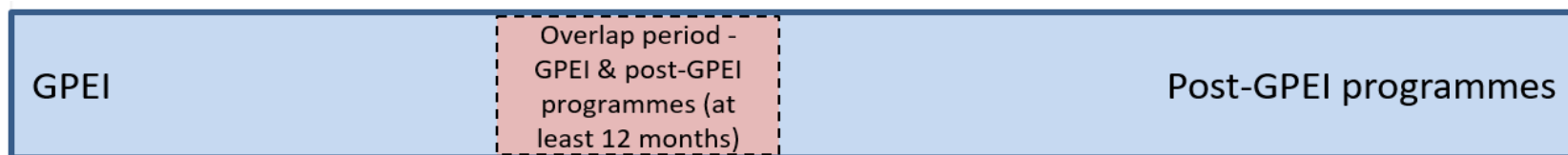
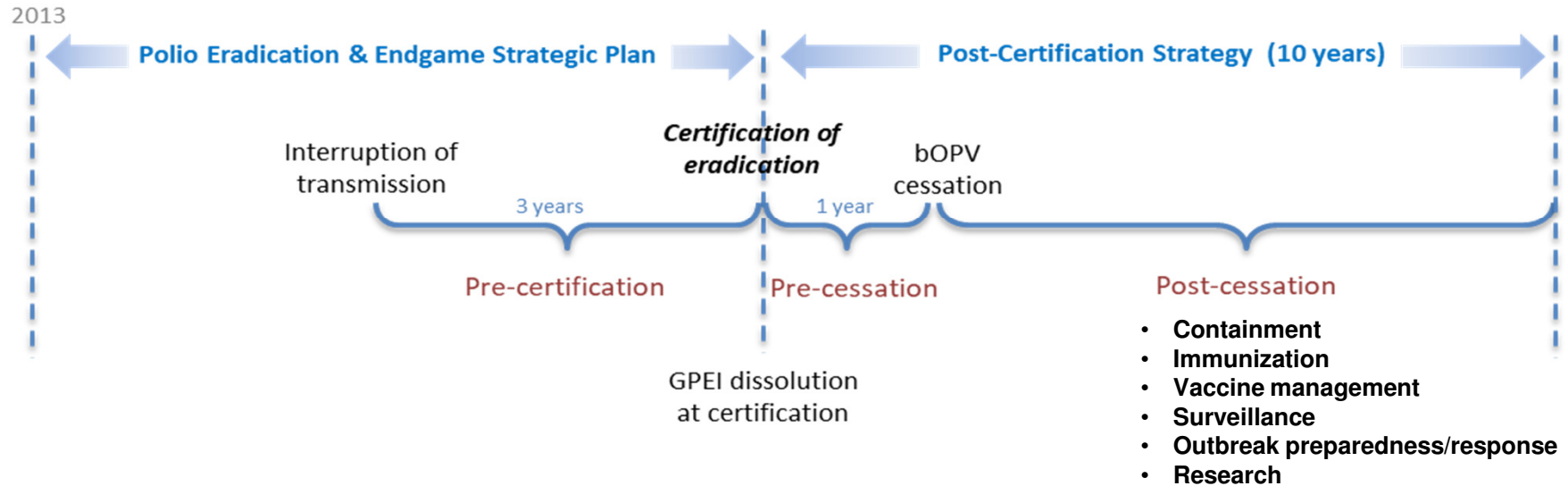
**Goal 2: Protect  
Populations**

- Withdraw the oral live attenuated polio vaccine (OPV) from use and immunize populations with inactivated polio vaccine (IPV) against possible re-emergence of any poliovirus

**Goal 3: Detect  
and Respond**

- Promptly detect any poliovirus reintroduction and rapidly respond to prevent transmission

# PCS Timeline



- ★ Jan. 2018:
    - WHO Exec. Board review
    - POB Approval of PCS
  - ★ May 2018: presentation to World Health Assembly
- GPEI Dissolution at Certification



**Thank you**



# Appendix

## Goal 1: Contain Polioviruses

Objective(s)	Major Activities
<p><b>Achieve and sustain containment of polioviruses in laboratories, vaccine manufacturing and other facilities</b></p>	<ul style="list-style-type: none"> <li>• Support reduction of the global number of facilities storing poliovirus</li> <li>• Monitor and sustain long-term poliovirus containment in facilities with appropriate safeguards</li> </ul>

## Goal 1: Summary of expectations

- **Global level**

- ✓ Established Global Action Plan (GAPIII) to minimize risks of PV release from vaccine manufacturers or laboratories (including those with potentially infectious materials)
- ✓ Global oversight to confirm containment/certification

- **Regional level**

- ✓ Certification Commissions oversee progress

- **Country level**

- ✓ Implement GAPIII guidelines;
- ✓ Establish National Authority for Containment (NAC) if necessary to certify Polio Essential Facility (PEF)

## Goal 2: Protect Populations

Objective(s)	Major Activities
<b>To protect populations from VAPP and VDPV by effectively preparing and implementing the globally synchronized withdrawal of bOPV</b>	<ul style="list-style-type: none"><li>• Develop and implement plans (including pre-cessation SIAs) to withdraw bOPV from routine programmes and SIA</li></ul>
<b>To provide access to safe, effective vaccines for long-term protection from poliovirus for global populations</b>	<ul style="list-style-type: none"><li>• Implement future immunization policy to protect population against poliovirus</li><li>• Support the availability of affordable IPV vaccine and for effective, efficient delivery to facilitate high immunization coverage</li></ul>

## Goal 2: Summary of expectations

- **Global level:**
  - ✓ GVAP establishes global coverage targets.
  - ✓ SAGE recommends global polio vaccine policy;
  - ✓ Collaboration of Gavi, GPEI, and other stakeholders to achieve availability of affordable supply of IPV
- **Regional Level**
  - ✓ RITAG sets regional targets, provides regional guidance and monitors progress
- **Country Level**
  - ✓ bOPV using countries: conduct pre-cessation SIAs; withdraw bOPV as part of globally synchronized plan and validate
  - ✓ Sustain protection with IPV—particularly for high-risk countries/populations—requires strengthening RI as envisioned by GVAP and synergies with other VPD initiatives (e.g. MRI)

# Goal 3: Detect and Respond

Main Objectives	Major Activities
<p><b>Promptly detect any poliovirus in a human or in the environment through a sensitive surveillance system</b></p>	<ul style="list-style-type: none"><li>• Redefine poliovirus surveillance paradigm</li><li>• Sustain adequate and technically qualified laboratory and surveillance infrastructure (including human capacity) and information systems</li></ul>
<p><b>Develop and maintain adequate global and regional capacity and resources to support national efforts to rapidly and effectively contain any new detected poliovirus and stop any new poliovirus transmission</b></p>	<ul style="list-style-type: none"><li>• Identify future outbreak risks, develop response strategies and preparedness plans, and sustain trained human capacity to appropriately implement these strategies and plans</li><li>• Create, maintain, and manage an adequate stockpile of polio vaccine and antivirals for an appropriate response</li></ul>

## Goal 3: Summary of expectations

- **Global / Regional levels:**

- ✓ Provide TA, guidelines, monitoring, risk forecasting;
- ✓ Support Global Polio Laboratory Network
- ✓ Develop and maintain global stockpile of OPV/IPV and polio anti-viral drugs

- **Country level:**

- ✓ Maintain minimum capacities for detection and response as required by IHR
- ✓ Implement poliovirus specific surveillance w/ risk-based approach reflecting need for higher sensitivity in some areas and new systems to identify iVDPV excretors
- ✓ Vision that AFP surveillance will be integrated with VPD or communicable disease surveillance