Rotary Club of Patan



Celebration

Why celebrate World Polio Day

Honoring Scientific Milestones

Celebrating Progress and the Vision

Reiterating the urgency of Eradication

The Polio Journey in Nepal

Beyond Polio Eradication

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Honoring Scientific Milestones

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Why celebrate World Polio Day

Polio Pioneer

- **1952 Dorothy Horstmann**

- Polio virus **travels through the blood stream (Viremia)**



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The First Vaccine

- **1955** - developed the **Inactivated Polio Vaccine (IPV)**
- **Dr. Jonas Salk -** 24 Oct is his birth anniversary



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The Scientific Philanthropist

- **1956 - Dr. Albert Sabin** isolated **live, non-virulent strains** for all three types of poliovirus **(OPV)**

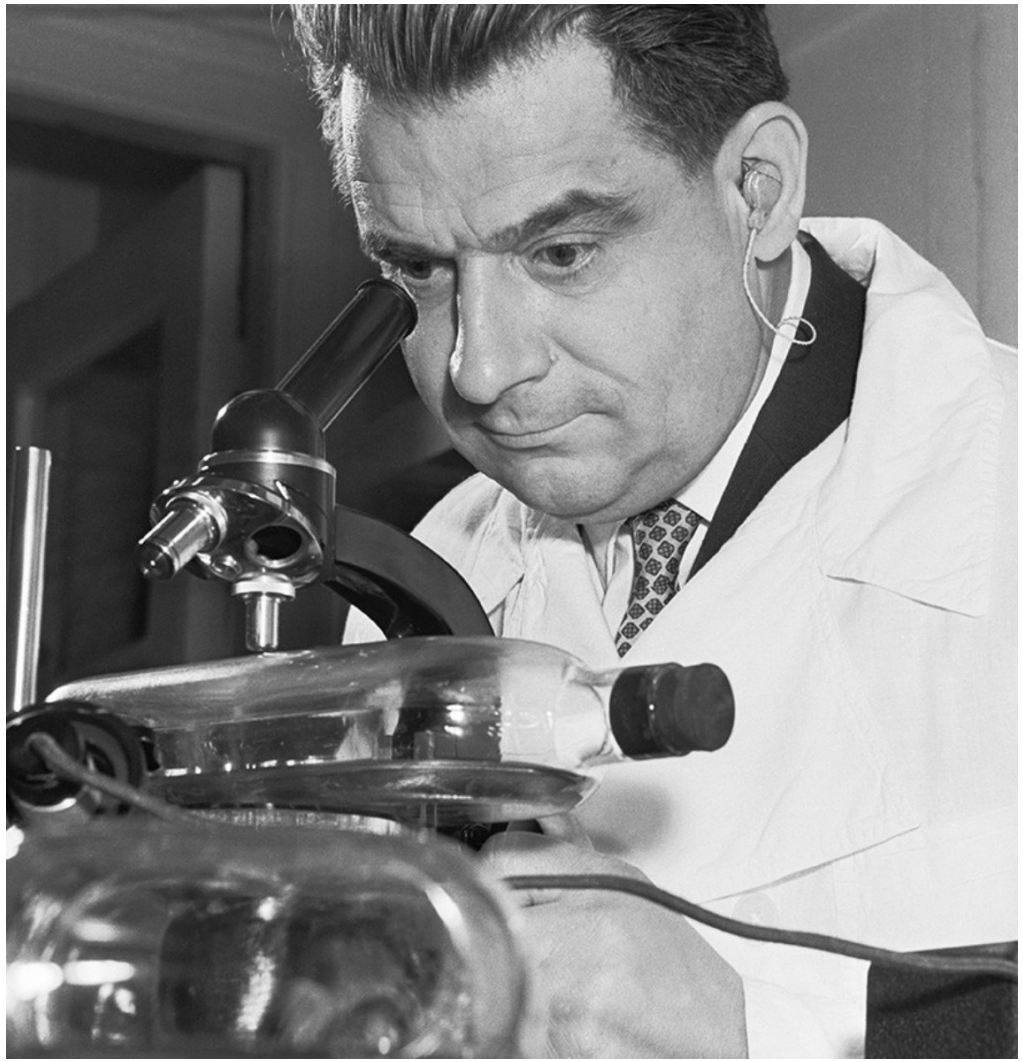
- Sabin **refused to patent his vaccine**



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Architect of Mass Vaccination Trial

- **1959 - Dr. Mikhail Chumakov** organised the first mass production and clinical trials of OPV **in the USSR**
- **10 million Soviet children**



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Celebrating Progress and the Vision

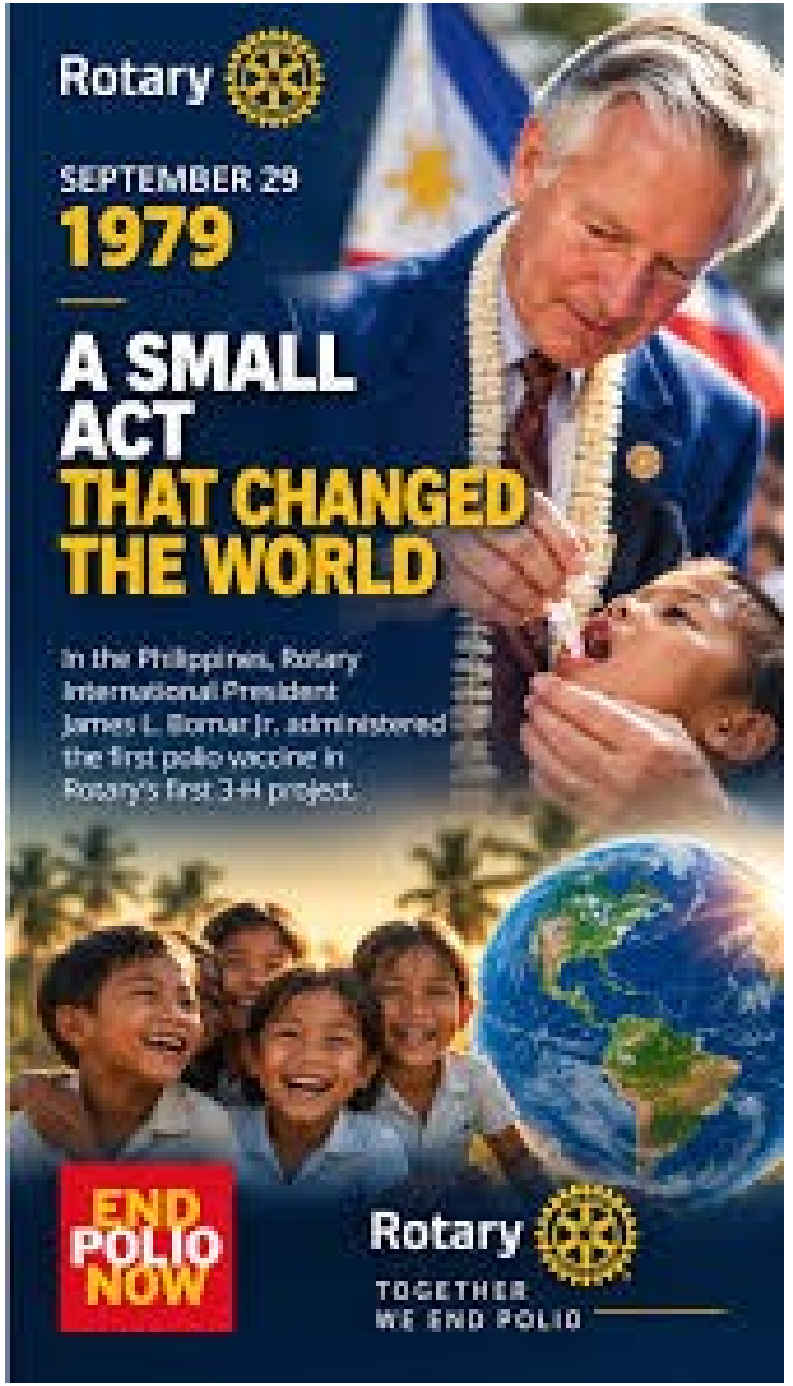
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Why celebrate World Polio Day

The Catalyst: 3H Grant

- **1979 September 29** Rotary International President **James L. Bomar Jr.** and Philippine Minister of Health Enrique M. Garcia first oral polio vaccine drops
- **6 million Filipino children** over 3 years



Expansion & Expert Validation

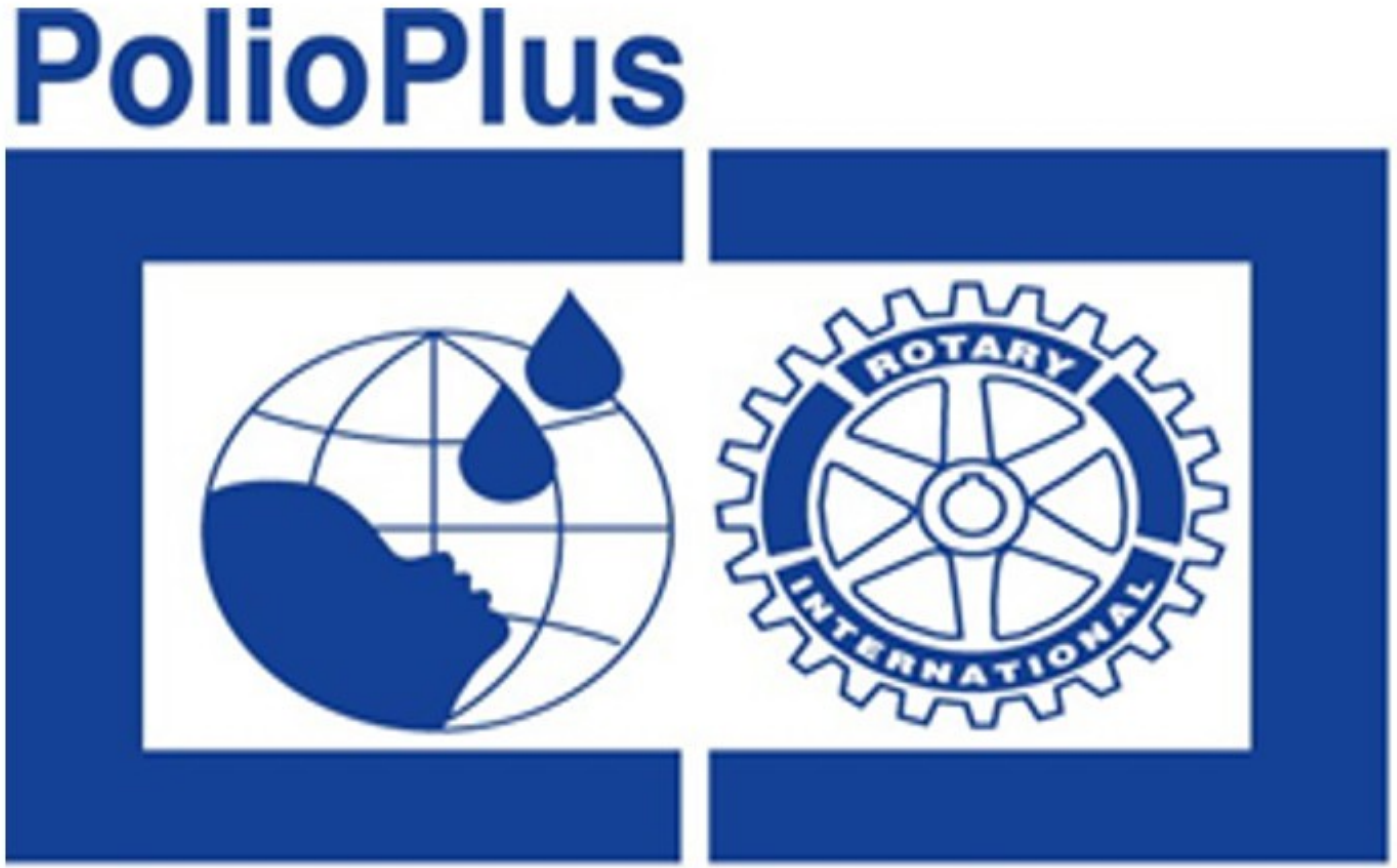
1980 – 1984 Haiti, Bolivia, Morocco and several African countries **receive 3H grants.**

Expert Advice to move from country-by-country grants **to global eradication efforts**

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1985

- RI President - Dr. Carlos Cansec
- Head US NIH - Dr. John Sever
- Key Advisor - Dr. Albert Sabin



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Raise $ 120 million by 1988

- Appeal to All members to contribute $100 – 150 over the 3-year period
- Leadership pledges
- Corporate and business appeals

By 1988 over $247 millions



1988

World Health Organization

Rotary

CDC

unicef

Bill & Melinda Gates foundation

Gavi

Reiterating the urgency of Eradication

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POLIO GLOBAL ERADICATION INITIATIVE

every last child

Why celebrate World Polio Day

ROTARY AND ITS PARTNERS HAVE REDUCED POLIO CASES BY 99.9% SINCE 1988.

WORLD POLIO DAY
IS 24 OCTOBER endpolio.org | #endpolio

Rotary | END POLIO NOW

Reported wild poliovirus cases

Afghanistan	2026	Pakistan
4		6
2		
2025: 21		2025: 31
2024: 25		2024: 74
2023: 6		2023: 6

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Sharing the Journey of Polio Survivor – Mr. Krishna Gautam



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The Polio Journey in Nepal

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Why celebrate World Polio Day

OPV part of Routine Immunization

1981

eliminate indigenous **WPV**

2000

2014 March declared **Polio free** part of WHO SEA Region

2014

July mass vaccination with OPV in the valley under 5

2024

1996

lauched **NIDs & AFP** Surveillance

2003–2005

AFP surveillance adds other vaccine-preventable disease

2014

Introduce **IPV into** routine programme **1st in South Asia**

2024

May to June catch–up campaign with IPV (age 5.5 to 8)

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The Polio Vaccines

OPV (The Gut Protector) stops community transmission

- OPV is given as oral drops
- Destroys the virus in the gut, meaning the child **cannot pass the virus to others**
- **The Global Benefit:** This creates "herd immunity"

IPV (The Blood Protector) guarantees individual safety

- IPV is given as an injection
- IPV provides nearly 100% individual protection against **paralysis**
- Does not interrupt transmission and spread in the community

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Historic IPV introduction in Nepal



पूर्ण खोप, सुरक्षित भविष्य

याद गर्नुहोस्, नियमित खोपको कुनैपनि खोप नछुटोस् है

जन्मने बितिकै



१ बि. सि. जी.

६ हप्ता



२ रोटा
पोलियो
एफ.आई.पि.भी.
पि.सि.भी.
डि.पि.टी., हेप बी-हिब

१० हप्तामा



३ रोटा
पोलियो
पि.सि.भी.
डि.पि.टी., हेप बी-हिब

१४ हप्तामा



४ पोलियो
एफ.आई.पि.भी.
डि.पि.टी., हेप बी-हिब

९ महिनामा



५ पि.सि.भी.
दादुरा-रुबेला

१२ महिनामा



६ जापानिज इन्सेफलाइटिस

१५ महिनामा



७ दादुरा-रुबेला
टाइफाइड

टाइफाइड खोप लगाएता पनि पानीजन्य रोगहरुबाट बच्न खानेकुराहरुको सररफाई, सुरक्षित पिउने पानी र सफा चर्पीको प्रयोग निरन्तर गरौं ।

१५ महिनाको उमेर भित्रमा कुनैपनि खोप छुटेमा जति सक्दो चाँडै ५ बर्ष भित्रमा छुट खोपहरू पुरा गराऔं ।

Gavi The Vaccine Alliance

unicef

World Health Organization Nepal

नेपाल सरकार
स्वास्थ्य तथा जनसंख्या मन्त्रालय
स्वास्थ्य सेवा विभाग
परिवार कल्याण महाशाखा

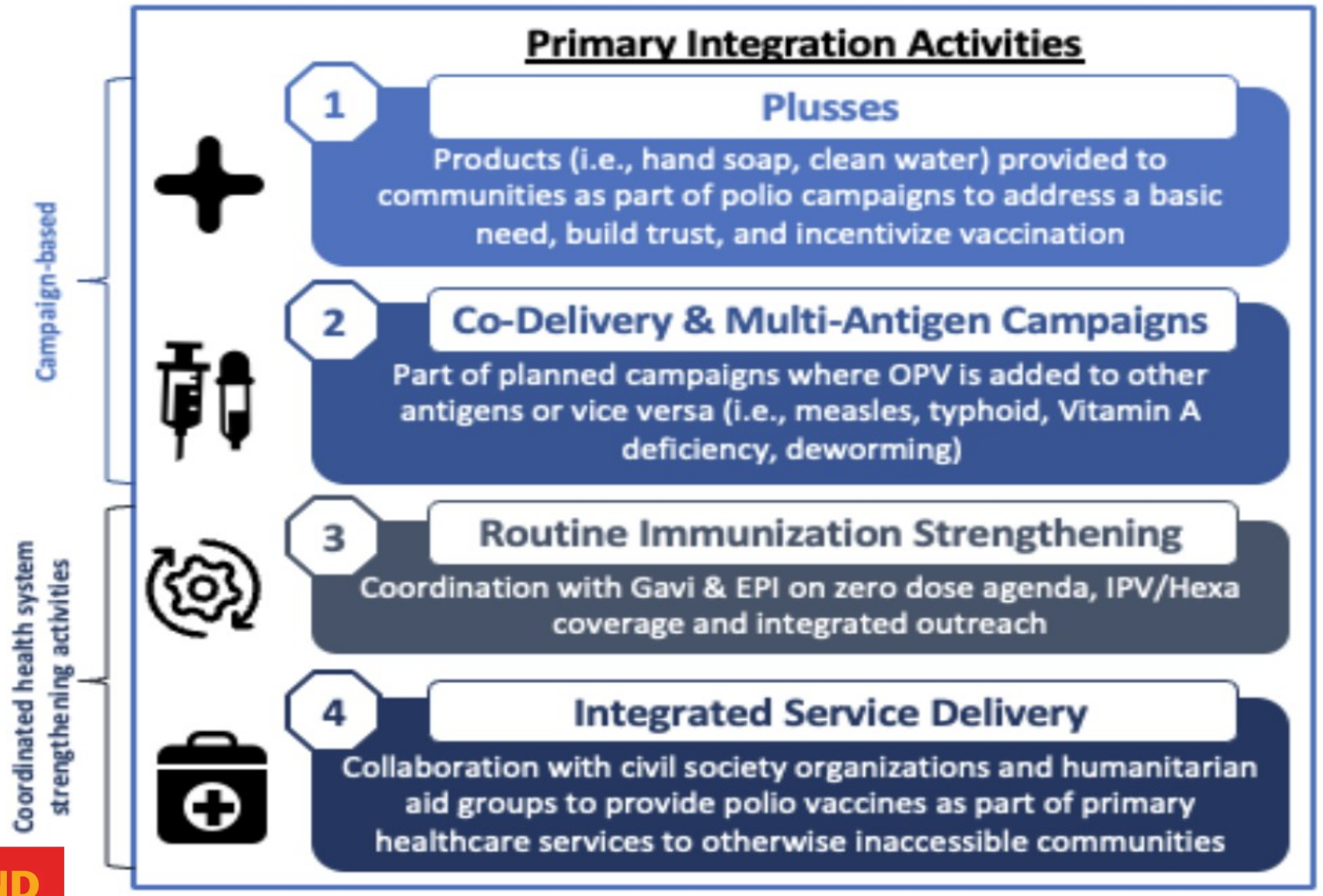
Beyond Polio Eradication

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Why celebrate World Polio Day

IMMEDIATE FOCUS FOR INTEGRATION FUNCTION



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THANK YOU FOR HELPING ERADICATE POLIO

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World Health Organization

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unicef

Bill & Melinda Gates foundation

Gavi