The Global Polio Eradication Initiative - current status

2nd European Polio Conference, Amsterdam, the Netherlands, 25 June 2014
Routine Immunization

Immunization Days (NIDs)

Surveillance

Mop-ups
Polio-paralyzed children, 1988-2012

Type 2 poliovirus eradicated
Progress: 1988-2012

> 40 countries became re-infected
INDIA: THREE YEARS WITHOUT POLIO
Polio, type 3 cases

Last type 3 case:
10 Nov 2012, Nigeria
International Spread of Polio, 2013

- Horn of Africa re-infected
- Cameroon importation
- Egypt, Israel Palestine sewage
- PAK to AFG
- Syria re-infected
Polio Cases, 2014

Type 1
- Pakistan: 82
- Afghan: 6
- Cameroon: 3
- Eq Guinea: 4
- Nigeria: 3
- Iraq: 2
- Syria: 1
- Ethiopia: 1
- Somalia: 1
Pakistan
Afghanistan
Pakistan
Pakistan Taliban-imposed ban on vaccination in parts of the 'tribal agencies' (Waziristan Khyber)

Afghanistan

Direct threat to field workers: Peshawar, Karachi

• new Prime Minister Polio Focal Point
• new security strategy KP
• Waziristan dialogue
• DG/WHO engaging PM

Imran Khan & Maulana Sami Ul Haq, Dec 2013
Campaign schedule, PAK, Jan. to May 2014

- **Jan 06-08**: SIADS
- **Jan 20-22**: NIDs
- **Feb 10-12**: SIADS
- **Feb 24-26**: NIDs
- **Mar 10-12**: SIADS
- **Mar 24-26**: NIDs
- **Apr 14-16**: SNIDs
- **Apr 28-30**: SIADS
- **May 5-7**: SNIDs
- **May 19-21**: SIADS

**Standard SNIDs**:
- Priority-1 and Priority-2
- Adjustment according to evolving epidemiology

**Standard SIADS**:
- All SIADS: Central KP, Southern KP (till April), Quet Block, Lahore (HRUCs), Rawalpindi (HRUCs), Karachi (HRUC), Hyderabad and FATA
- Alternate SIADS: Entire Karachi, Faisalabad

Priority levels:
- Red: Priority1
- Blue: Priority2
- Yellow: Priority3
- Green: Priority4
Progress toward Eradication in Afghanistan, 2012-*2014

2012
NSL1=37
NSL3=0

2013
NSL1=14
NSL3=0

2014
NSL1= 4
NSL3= 0
Afghanistan: UN security levels + access limitations
Nigeria
Nigeria 2013

KANO, campaign results trend

Nigeria 2014

BORNO, Access Trend

Mar 100%

Dec 14%
Outbreaks
HORN OF AFRICA outbreak

Data in WHO/HQ as of 23 Jun 2014
Syria outbreak

Children vaccinated (ml)

<table>
<thead>
<tr>
<th></th>
<th>Est'd &lt; 5 yr (2010 MoH)</th>
<th>Nov (MoH)</th>
<th>Dec (MoH)</th>
<th>Jan (all sources)</th>
<th>Feb (all sources)</th>
<th>Apr (all sources)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>3.5</td>
<td>2.5</td>
<td>2.0</td>
<td>4.0</td>
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- [Image of map showing vaccination areas in Syria]
- [Image of chart showing children vaccinated (ml)]
- [Legend: > 85%, 75-84%, < 75%, No data]
Risks
International Spread of Polio, 2014

- Iraq, Eq. Guinea
- PAK to AFG
The red countries (as of May 2014)
- polio-free countries at highest risk of importation and spread

African Region
- CAR
- Chad
- Congo
- DR Congo
- Gabon
- Mali
- Niger
- Ivory Coast
- Benin
- Angola

Others (risks mitigated as part of outbreak plans)
- Lebanon
- Jordan
- WBG
- Kenya
- S. Sudan
- Uganda
- Yemen
- Djibouti
Infected, Outbreak zone and ‘red list’
Public Health Emergency of International Concern (PHEIC)

WHO recommendation to vaccinate travelers departing from all countries exporting poliovirus
Wild poliovirus in environmental sample in Sao Paulo, Brazil - March 2014 - genetic linkage to Eq. Guinea
Opportunities & Priorities
1. Nigeria (stop in 2014)
2. Outbreaks (stop in 2014)
3. Pakistan/Afghanistan
4. Protect 'red list' countries
'Eradication attacks inequities; the ultimate in social justice.'
Thank you very much!
Extra slides
Last type 2 wild poliovirus: 1999

however.....
'Vaccine outbreaks'
(cVDPVs) 2000-2013

- Type 2 (478 cases)
- Type 1 (79 cases)
- Type 3 (9 cases)
'Polio Endgame': complete the eradication of all wild & vaccine-related polioviruses.
New Vaccines

New Partners

New Tactics
The IPV challenge

![Graph showing the number of countries implementing Hep B and IPV vaccinations over time from 1990 to 2016.](image-url)
Bivalent OPV (bOPV)

Inactivated Poliovirus Vaccine (IPV)
### Funding & Cash Gaps

#### 2014 CASH GAP

<table>
<thead>
<tr>
<th>Year</th>
<th>Confirmed Funding</th>
<th>Pledges</th>
<th>Projections</th>
<th>Funding Gap</th>
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<tr>
<td>2013</td>
<td>$1,200.00</td>
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<td>2014</td>
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<td>2018</td>
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</table>

#### Funding Needs:
- Current Operational Budget: $1,032.95
- Less Operationalized Funding: $690.64
- Cash Gap (Confirmed Only): $342.31

#### FRR

- Funding Needs: Current Operational Budget: $1,032.95
- Less Operationalized Funding: $690.64
- Cash Gap (Including 75% Likely): $220.51
The 'endgame' approach

Strengthen routine immunization  immediately

Introduce at least 1 dose of IPV  by end-2015

Switch from tOPV to bOPV  by mid-2016
The role of IPV

- **Reduce risks** of OPV2 withdrawal
- **Help stop outbreaks** if type 2 reintroduced
- **Boost immunity** against polio types 1 & 3

*Inactivated Polio Vaccine (IPV)*
• IPV (all endemics plan HR areas)

• IHR & polio vaccination (Apr 14)

• Access tracking & security group
Endgame Plan, 2013-18

- Polio detection & interruption
- Systems strengthening, IPV intro. & OPV withdrawal
- Containment & Certification
- Legacy Planning
IPV today

- 71 countries already using IPV
- 85 have plan to introduce by end-2015
- 39 have not yet announced a plan
$5.0 B* pledged for Polio Endgame Plan

* including pledges received since the Summit
>90% of polio cases in 2014 have been in areas with barriers to immunization – bans, ongoing conflict, targeted attacks, high threat and insecurity.
Number of Polio Vaccinations at Transit Posts
FR Bannu; 1\textsuperscript{st} May - 18\textsuperscript{th} June, 2014

Military Operation Displacement

Number of Polio Vaccinations at Transit Posts

- Mirzail
- Salgazai
- Sardi Khel
- Jani Khel Fort
- Rocha
- Syedgi

May 1\textsuperscript{st} - 18\textsuperscript{th} June, 2014

Number of Polio Vaccinations

- 43,475

Military Operation Displacement