Vaccine Non-acceptance
Oral Polio Vaccine, Pakistan

IVIR-AC, 17 June, 2014

Current Context of OPV use in Pakistan

- 1 of 3 polio endemic countries – 80% of global cases
- Longstanding eradication effort - numerous campaigns each year
- Program highly politicized, affected by bans/violence
- Recent declaration of PHEIC
- Under IHR – vaccination of all international travelers

Barriers to OPV acceptance in Pakistan

- Ban on polio vaccination / Active conflict
- Attacks on health workers
- Pockets of clustered vaccine refusal

Reasons for Missed Children

Total NID target: ~34 m children

<0.2% of total target children missed due to refusal
Polio cases in 2014 & Areas with barriers to immunization

Areas with military operation & Active insurgency
• Khyber

Ban by local leaders
• North & South Waziristan

Areas with direct threat to Field health workers
• Peshawar Valley & Karachi

District/Area Agency Target Population Unreached Children (%)

<table>
<thead>
<tr>
<th>Agency/FR</th>
<th>Population</th>
<th>Unreached Children</th>
</tr>
</thead>
<tbody>
<tr>
<td>FATA</td>
<td>78%</td>
<td>301078 (31)</td>
</tr>
<tr>
<td>KP</td>
<td>14%</td>
<td>12962 (15)</td>
</tr>
<tr>
<td>KHYBER</td>
<td>78%</td>
<td>38332 (23)</td>
</tr>
<tr>
<td>WAZIR-N</td>
<td>84%</td>
<td>19241 (7)</td>
</tr>
<tr>
<td>WAZIR-S</td>
<td>9%</td>
<td>76154 (100)</td>
</tr>
<tr>
<td>BANNU</td>
<td>10%</td>
<td>44009 (18)</td>
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</table>

Unvaccinated Children; FATA 2014

Inaccessibility
- 0.01 - 25.00: 90%
- 25.01 - 50.00: 9%
- 50.01 - 75.00: 4%
- 75.01 - 100: 1%

Attacks on Health Workers or Security staff

Jul 2012 - May 2014

29 Health workers & guarding security personnel were killed in 2012-13 and 23 so far in 2014

Despite all these, 439,139,603 doses of OPV were given since the dreadful Dec 2012
Non Polio AFP cases with Zero OPV dose, Age 6-59 months

Ban / Inaccessibility: Strategic Approach to N & S Waziristan

1. Primary Strategy - “Negotiated Access” engagement of religious & tribal leaders, national and provincial governments, military & security agencies, influential 3rd parties

2. Opportunistic Vaccination Strategies – low profile activities including: permanent transit point vaccination, restoring routine EPI, self-vaccination, immunization by local NGOs, mobile & displaced populations, broader health interventions

3. “Protected Vaccination Campaigns”, engagement of military & law enforcement
   - security assessments
   - protection for vaccinators
   - protection to transit vaccination points
   - security through cordonning off areas for vaccination
   - negotiate access through their networks

Ban / Inaccessibility: Strategic Approach to N & S Waziristan - 2

Attacks on Health Workers: Outcome of Special Activities in High Threat Areas
- New security paradigm & Commitment
- Operational innovation & flexibility
- Community engagement with comms & broader interventions
- No security incident

<table>
<thead>
<tr>
<th>Province</th>
<th>District</th>
<th>Target Population</th>
<th>No. of weekly rounds</th>
<th>Total no. of doses</th>
</tr>
</thead>
<tbody>
<tr>
<td>KPK</td>
<td>Peshawar</td>
<td>754,183</td>
<td>12</td>
<td>7,092,701</td>
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<tr>
<td></td>
<td>Charsalia</td>
<td>273,848</td>
<td>4</td>
<td>927,234</td>
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<td></td>
<td>Zararlan</td>
<td>381,307</td>
<td>4</td>
<td>1,235,532</td>
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<td>Swat</td>
<td>258,432</td>
<td>4</td>
<td>871,072</td>
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<tr>
<td></td>
<td>Total KPK</td>
<td>1,667,970</td>
<td>-</td>
<td>10,126,539</td>
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<td>SINDH</td>
<td>Karachi</td>
<td>494,183</td>
<td>8</td>
<td>4,365,133</td>
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<tr>
<td>PUNJAB</td>
<td>Rawalpindi</td>
<td>55,697</td>
<td>3</td>
<td>172,578</td>
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<tr>
<td></td>
<td>Grand Total</td>
<td>2,162,153</td>
<td>-</td>
<td>14,668,650</td>
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</tbody>
</table>

- Promising environmental sampling results from Peshawar
Vaccine Refusal: Reasons

Characteristics of Polio Cases, 2014

Key Areas with Reported Missed Children due to Family’s Refusals, March, 2014

- Quetta Block in Balochistan
  - Nearly 4000
- Central & Southern KP
  - More than 30,000 in central region & more than 15000 in southern region
- Karachi
  - Nearly 4000

Refusals Reported & Converted in Districts with Commnet Staff
Summary

- Overall OPV acceptance is high in Pakistan
- Most children missed due to inaccessibility/insecurity or gaps in Ops
- A multi-pronged access strategy underway
- Acceptance high even in inaccessible & high threat areas
- Vaccine refusal is clustered in key high threat areas, but can be addressed
- Additional efforts are being made to address awareness gaps in key population groups