Polio Eradication: Field Operations



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Every Case is a Disabled Child



Effective <u>Evidence-Based</u> Field Operations

- Immunization Supplemental campaigns, routine services, mopping up, outbreakresponse
- Communication Advocacy, Fund-raising, social mobilization (Interpersonal communication, mass media, print/IEC materials)
- Management / Administration

Immunizing every child under age 5

- Bringing vaccine to the child – Supply
- Parents acceptance of vaccination Demand

In order for vaccines to work, the drops need to get into the child's mouth



Bringing the Vaccine to Children (1)

Microplanning Booth/fixed post or Door-to-door

Denominator

- How many kids are there?
- ❖ Where are they?
- ❖ What is a household?

Mapping (all levels):

- Epidemiologic endemic/high risk; border areas/recently infected; low risk/high routine immunization
- Campaign areas with missed children from previous round
- ❖ Social ethnic, language, religious, caste, occupation
- Areas of insecurity
- Special Populations: migrant, nomads, special events, minorities, geographically difficult
- Daily local areas, daily route for vaccination teams to follow

Logistics & Transportation

- Vaccine: how much?, distribution plan? cold-chain at all levels?
- Supplies: Chalk, markers, tally sheets, identification
- ❖ Personnel: transport of vaccinators, supervisors, mobilizers, monitors

Cross-Border Synchronization

Insecurity/Days of Tranquility

Bringing the Vaccine to Children (2)

Personnel: Vaccinators, Supervisors, Mobilizers, Monitors, International Observers

- Selection
- ❖ Training
- Quality Assurance
- Deployment based on strategy: Booths, A team, B Teams, sweep teams, revisiting plan

Routine Immunization

- Coverage varies
- Supply
- Demand
- Immunization Plus Days
- Child Health Camps/Weeks

Monitoring & Evaluation

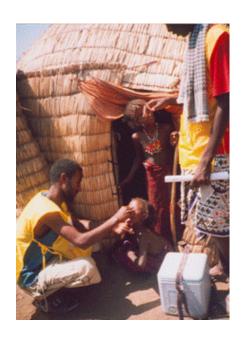
- ❖ In Process
- ❖ Post-Campaign
- ❖ Surveillance



Integrated Campaigns



Immunization Booth



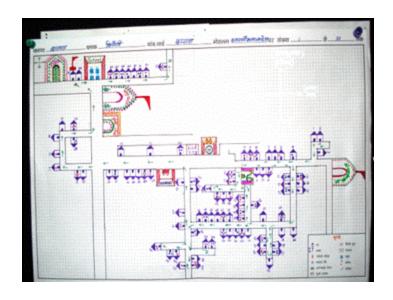
Door-to-Door



Cross-Border: Somalia and Ethiopia



Nomads



Planning and Mapping



Supervision



Cold Chain



Team Selection & Training: Respected Lady Vaccinator

Hard to Reach Populations





House Marking



Finger Marking

Insecurity / Days of Tranquility





El Salvador (1985-'91):

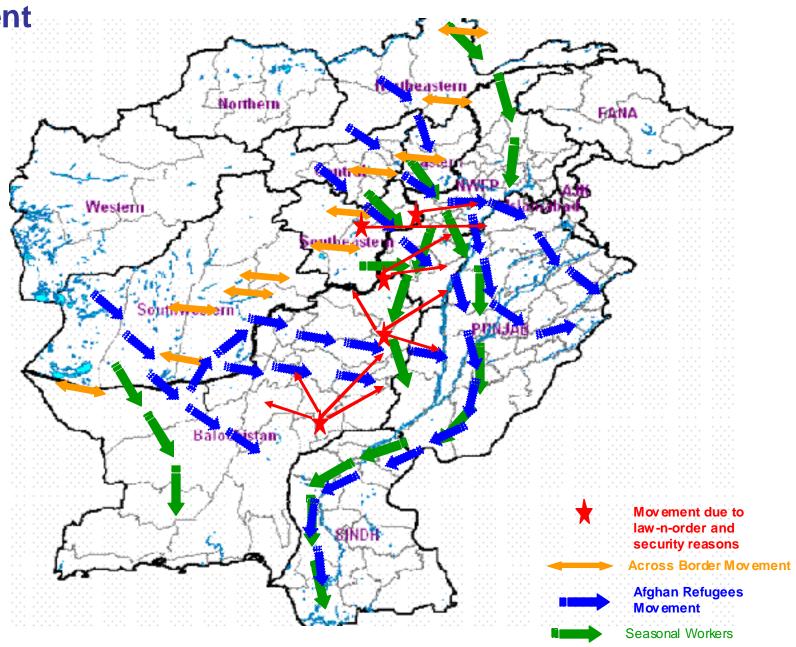
Multiple, One Day, Truces Negotiated

Campaigns repeated three times a year for immunization against polio and other diseases



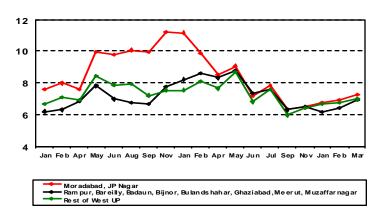


Mobile Population Movement



Monitoring Data

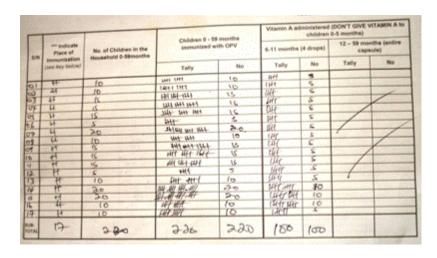
Missed Houses - UP India



Independent Monitoring

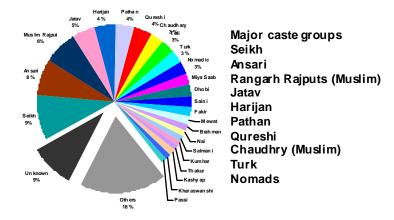
Reasons for Non Immunization Egypt June 2005, UNICEF Sleeping / sick NID not imp. Mother busy/ did Others, 10not know / Born after traveling NID 20 Just took Team didn't Routine visit 30

Post Campaign Assessment



In Process: Tally Sheet (Too good to be true!)

Caste, Muslim 'zat' distribution of wild polio cases, Uttar Pradesh, 2006



Surveillance data

Main Obstacles – Delivering Vaccine

- Low Routine Immunization Coverage
- Teams don't go to every house
- ❖ Teams miss newborns, sleeping or sick children
- Children on the move or away from home: school, crèche, at market, field, or workplace
- ❖ Team turnover, substitutions, favoritism
- Security, access, cross-border
- Birthdose not implemented

Demand Creation (1)

Building Public Trust

Goals

- Sustain participation of "acceptors"
- Reassure "fence sitters"
- Convince "refusers"

Channels of Communication

- Mass Media: TV (national and satellite), Radio (international and local)
- Social Mobilization: community dialogues, rallies, miking/announcements, campaign kick-offs, SMS
- Print/ IEC Materials: Banners, posters, leaflets
- Inter-Personal communication: confident, informed spokespeople

Demand Creation (2)

Messaging

Date / location: Public Service Announcements

<u>Specific concerns:</u> Why so many doses/ Why just polio? Vaccine safety? Public Good.

Feedback: How are we doing? Successes. Vaccinators as heroes

Sources of information

- Government
- Health workers
- Mobilizers
- Medical/Pediatric Associations
- Opinion Leaders: Religious, tribal, ethnic, household (mother in law)
- Neighbor/friend/relative

Monitoring and Evaluation



Local Broadcasters

Mass Media



Celebrity Endorsements

TV



Radio



Social Mobilization

Rallies





Community Dialogues



Miking

Inter-Personal Communication



Polio Survivors Tell their Story



Health Workers Answer Questions



Mobilizers Reassure Parents

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Print – IEC Materials





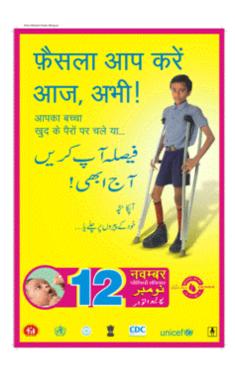
Billboards



Leaflets

Branding Logos Tag Lines

Posters



Leaders Get Involved



Religious

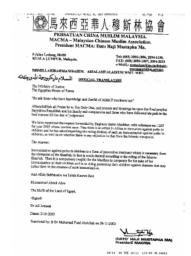


Political: President Karzai

Headlines & Fatwas: Positive, Neutral, Negative









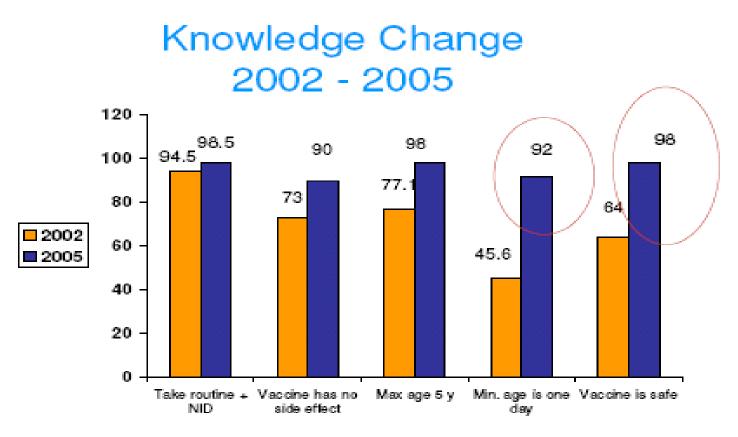




Letter of Support, Taliban Shura, Sept 07

Communication Data

Egypt 2005



Main Obstacles - Communication

- False Myths and Rumors
- Civil Disobedience
- Unanswered questions
- Staff/Government Turnover
- Slow/reactionary approach to new issues media management
- Apply evidence-based approaches more consistently

Management / Administration

Leadership and Coordination

- Government led meetings Inter-Agency Coordination
- ❖Partner, NGO, Civil Society involvement
- ❖Defined roles & responsibilities at all levels

Money

- ❖Per Diems
- Material, Supplies, Training, Transport
- Cash flow and timely availability of funds

Field Operations

Small mop-up in India

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4,200,000 children under age 5
280,000 vials of vaccine
50,000 square miles
37,000 vaccinators
4,000 supervisors
2,500 mobilizers
2,000 vehicles
18,000 vaccine carriers / ice / markers / chalk / tally sheets
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3 days

Summary

- Polio Eradication is the largest Public Health Initiative in history
- Vaccinated over 2 billion children
- 20 million health workers and volunteers
- 99% reduction in cases
- 5 million cases of paralysis averted
- Rotary International set example for public –private partnerships
- Nexus of epidemiologic, programmatic and social data and issues
- In control of Initiative vs outside of control
- Management/Administration is just as critical as virology/epidemiology
- Confront obstacles quickly; let partners know. Sustaining public trust is essential
- Human experience extraordinary something bigger than any one person or organization for a public good.



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