EPI Update

4th Meeting of the RBM Working Group on Scalable Malaria Vector Control (WIN)

Tracey Goodman, EPI Team
Department of Immunization, Vaccines & Biologicals (IVB)
Global Immunization 1980-2006, DTP3 coverage

Global coverage at 79% in 2006

% coverage

Global and regional coverage estimates, DTP3

DTP3 coverage 2006, African Region regional coverage 73%

Date of slide: 16 August 2007
### Countries with DTP3 <50%, 2000-2006

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**Total countries DTP3 <50%** | 20 | 16 | 14 | 12 | 9 | 8 | 7


Date of slide: 22 August 2007
26 million infants not immunized (DTP3), 2006

Countries with most unvaccinated infants DTP3, 2004-2006 (in millions)

India  
Nigeria  
Indonesia  
China  
Ethiopia  
Pakistan  
DR Congo  
Bangladesh  
Angola  
Niger

# GLOBAL

Annual surviving infants cohort = 128 million

79% DTP3 coverage
102 million children vaccinated

<table>
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<th>Additional children to reach:</th>
<th>Children unvaccinated</th>
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<tr>
<td>79%</td>
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<td>80%</td>
<td>0.7 million</td>
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<td>90%</td>
<td>12.8 million</td>
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<td>26.3 million</td>
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WHO Member States.
Global Immunization 1980-2006, BCG coverage at birth global coverage at 87% in 2006

Global Immunization 1980-2006, DTP1 coverage

global coverage at 89% in 2006

Measles containing vaccine coverage by WHO region, 1980-2006

global coverage at 80% in 2006


WHO Member States. Date of slide: 16 August 2007
# Traditional Dichotomy

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<th>Routine</th>
<th>Campaigns</th>
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<td><strong>Objectives</strong></td>
<td><strong>Target groups</strong></td>
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<tr>
<td>High coverage with all antigens</td>
<td>Reduced transmission of selected disease(s)</td>
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<td>Children &lt;1 and CBA women</td>
<td>Expanded to other age groups</td>
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<td>Ongoing: Daily, weekly, monthly</td>
<td>Intermittent, defined by disease epidemiology</td>
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<tr>
<td>Fixed + outreach</td>
<td>Fixed, outreach, door-to-door, extra posts</td>
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<tr>
<td>Routine, recorded on child health card</td>
<td>Supplementary, not recorded on child health card</td>
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<tr>
<td>Limited</td>
<td>High</td>
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Actual Continuum of Immunization Strategies

Routine
- Fixed & outreach, immunization only
- Fixed & outreach, EPI + other interventions
- Pulse immunization

Campaigns
- Periodic campaigns to boost routine coverage
- Multi-intervention campaigns with SIAs as platform
- Single-antigen NIDs or SNIDs
Reaching Every District (RED Strategy): Operational components

1. Re-establishing outreach services
2. Supportive supervision
3. Linking services with communities
4. Monitoring and use of data for action
5. Planning and management of resources
Go for 100% coverage

(1) Area Map

(2) Session Plan

(3) Work Plan

(4) Stock Record

(5) Drop-outs Tracking System

(6) Monitoring Chart
“EPI Plus” of the Future?

Pregnant Woman

Delivery

Infant

ANC
- 1st ITN
- TT (3 doses)
- Iron folate
- IPT (2 doses)

BCG
OPV
[HepB]

10 weeks
- DPT2, OPV2, HepB, Hib
- IPTi (?)

6 weeks
- DPT1, OPV1, HepB, Hib
- Check TT status of mother
- Vit A to mother
- Screen for ITN

14 weeks
- DPT3, OPV3, HepB, Hib
- IPTi (?)

9 months
- Measles
- [Yellow fever]
- Vit A
- 2nd ITN
- IPTi (?)

15 months
- 2nd Measles
- Vit A
- Deworming
Projected vaccines pipeline

Available by > 2011

HIV/AIDS
Malana
TB
Dengue
HPV
Rotavirus
Pneumo (conj)
Mening (conj)

The opportunities

Unfinished agenda

Traditional EPI
Underutilized Vaccines
Future

Available by > 2011

The opportunities

Unfinished agenda

Available by > 2011

The opportunities

Unfinished agenda
EPI Coverage Data (2006) By Country

Available at:

http://www.who.int/vaccines/globalsummary/immunization/countryprofileselect.cfm