

Effective interventions for RMNCH: what works?

Zulfiqar A. Bhutta

**Women & Child Health, Aga Khan University &
Global Child Health, Sick Kids, University of Toronto**

Outline

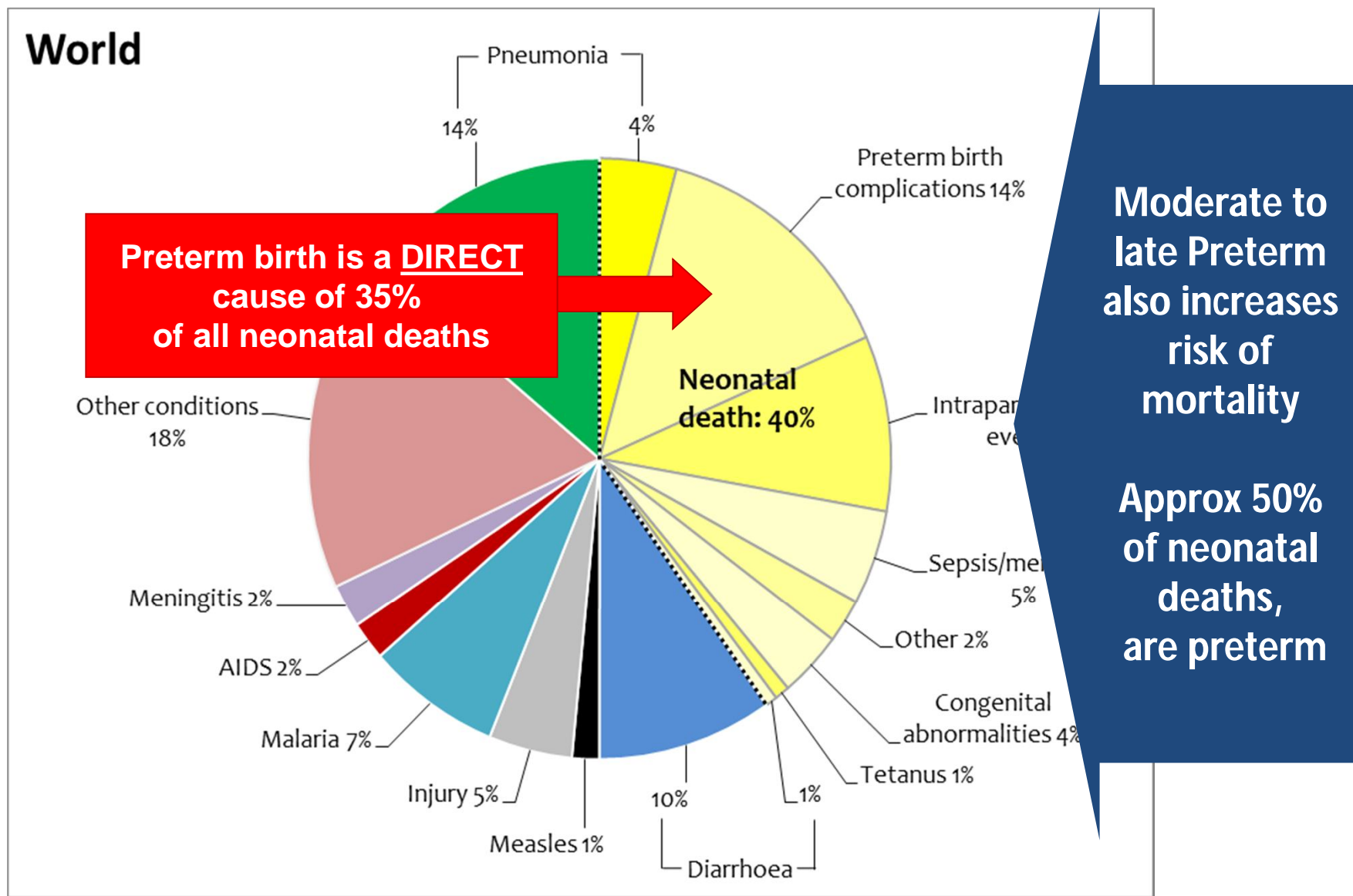
- Child mortality: interventions that address major causes of mortality
- What works and can be packaged together?
- How can we scale up and implement?

Muslim majority countries



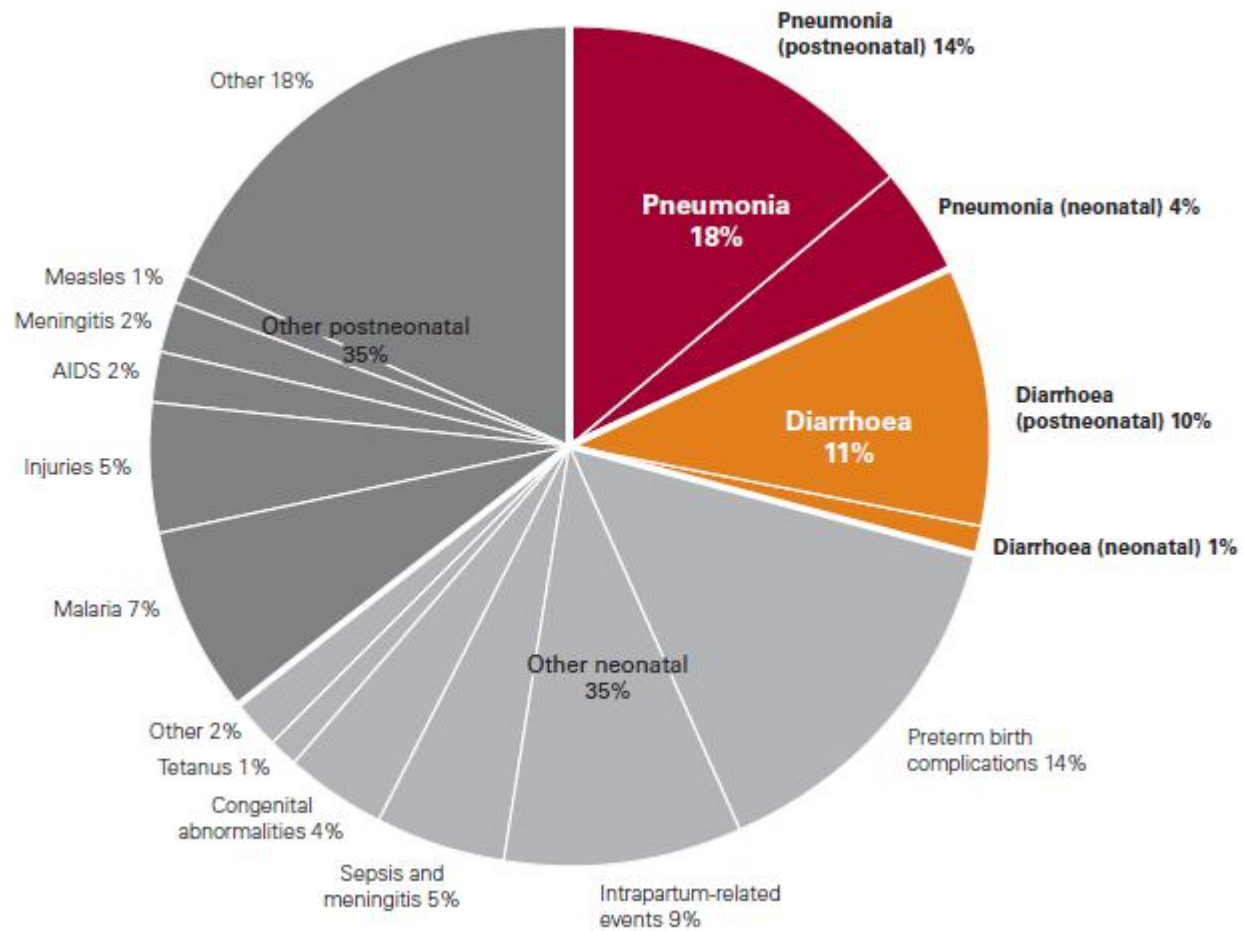
40% of the global burden of stillbirths
40% of the global burden of under 5 deaths

Global causes of child death for 2010

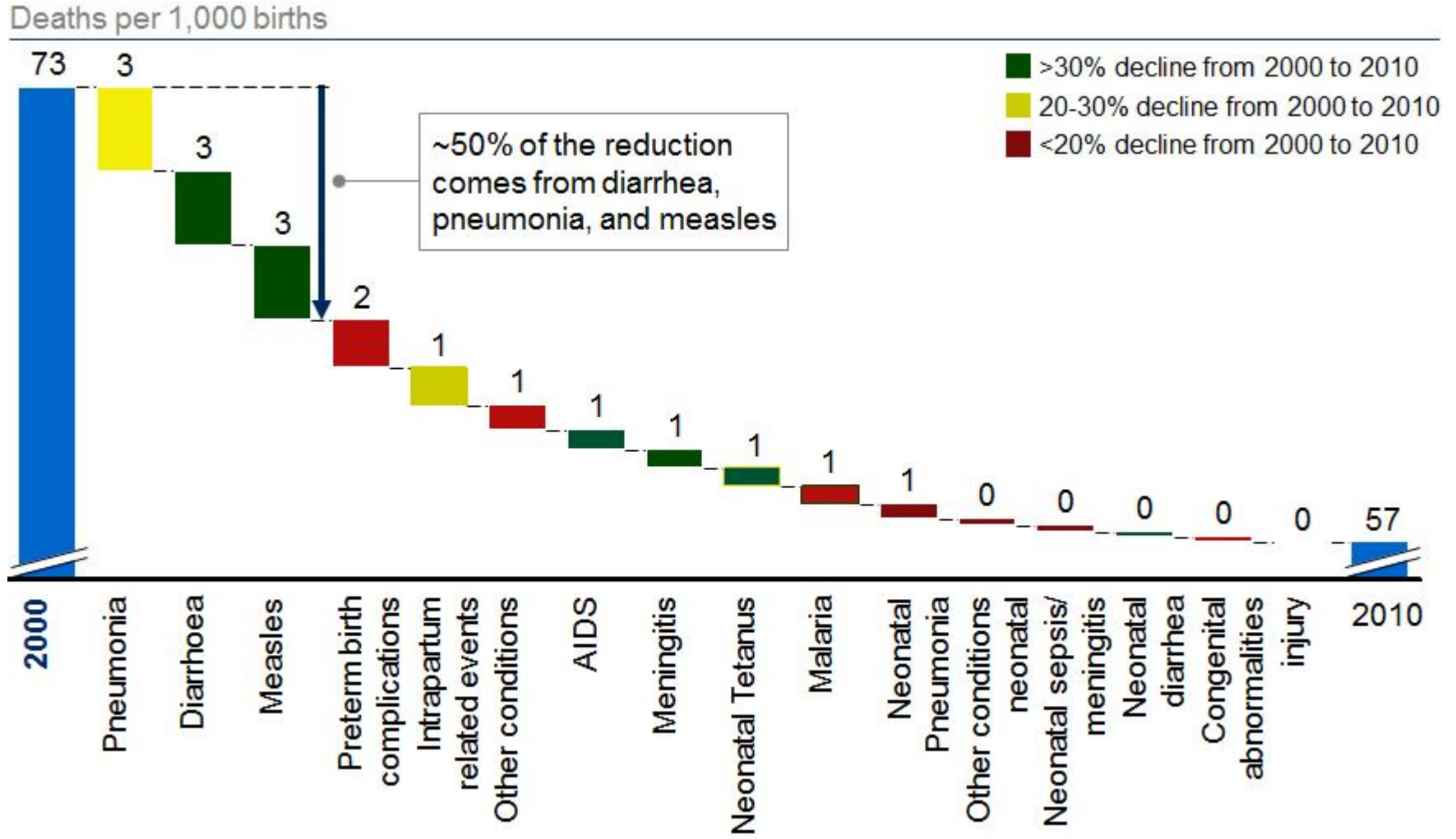


Source: Liu et al. 2012. Global, regional and national causes of child mortality in 2000-2010: an updated systematic analysis. The Lancet. DOI:10.1016/S0140-60560-1.

The Challenge of Diarrhea & Pneumonia

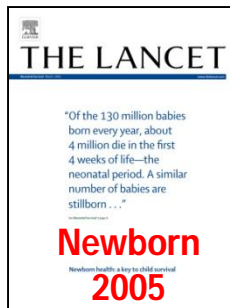
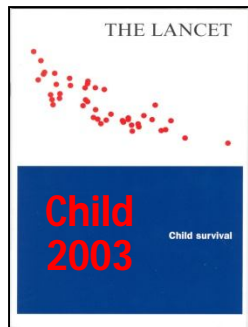


Reduction In Global U5MR By Disease, 2000 to 2010



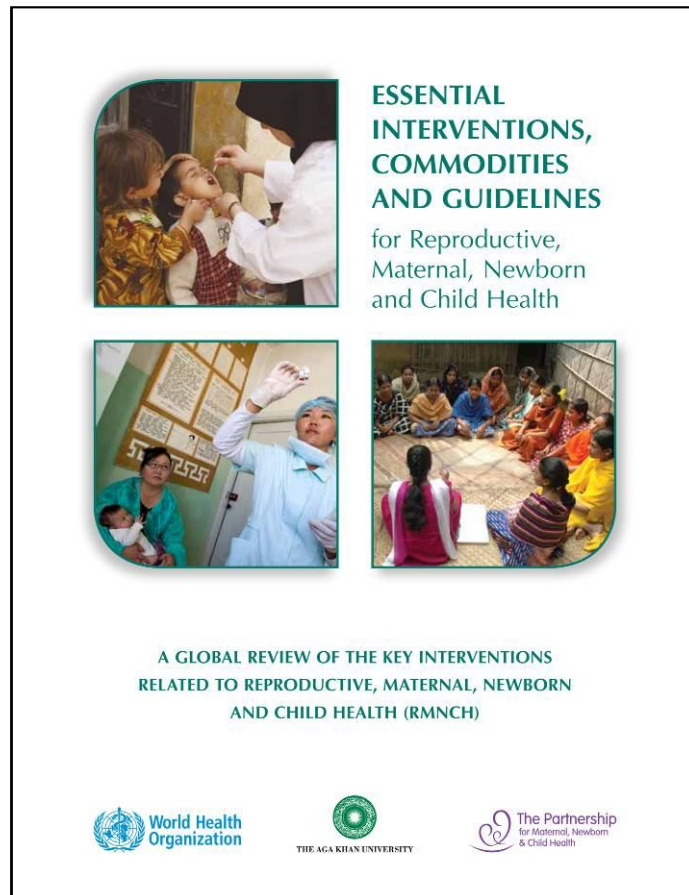
What can be done?

The Lancet & MNCH Interventions



36 key interventions can make a huge difference if delivered in primary care settings

Consensus on essential RMNCH interventions



- First ever multi-stakeholder consensus on what works for RMNCH
- Led by WHO, Aga Khan University and PMNCH with 40+ friends...
- Based on 3 year review – over 50 000 scientific papers
- Packages of care across the continuum of care
- Supports policy making and resource allocation at global and national level

Tertiary
University Hospital

Referral Hospital

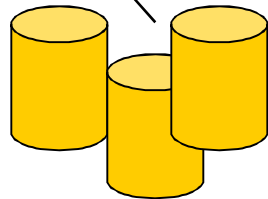
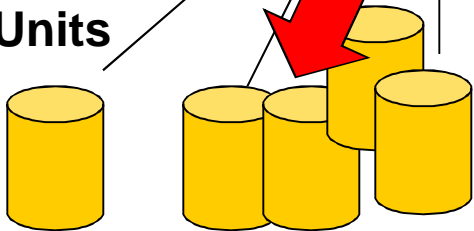
Secondary
District General Hospital
Taluka Hospital

Clinical or Facility-based care

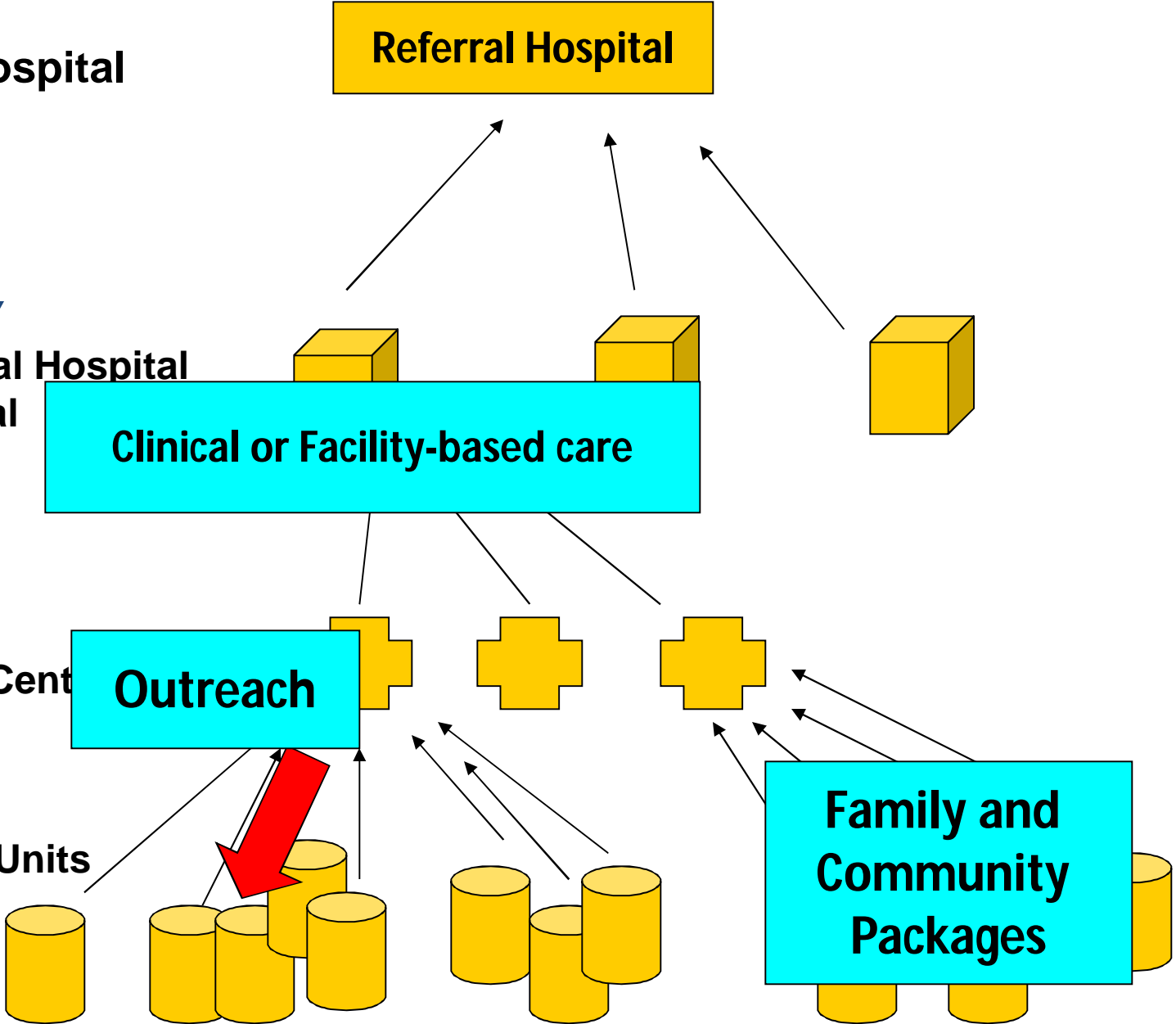
Primary
Rural Health Cent

Outreach

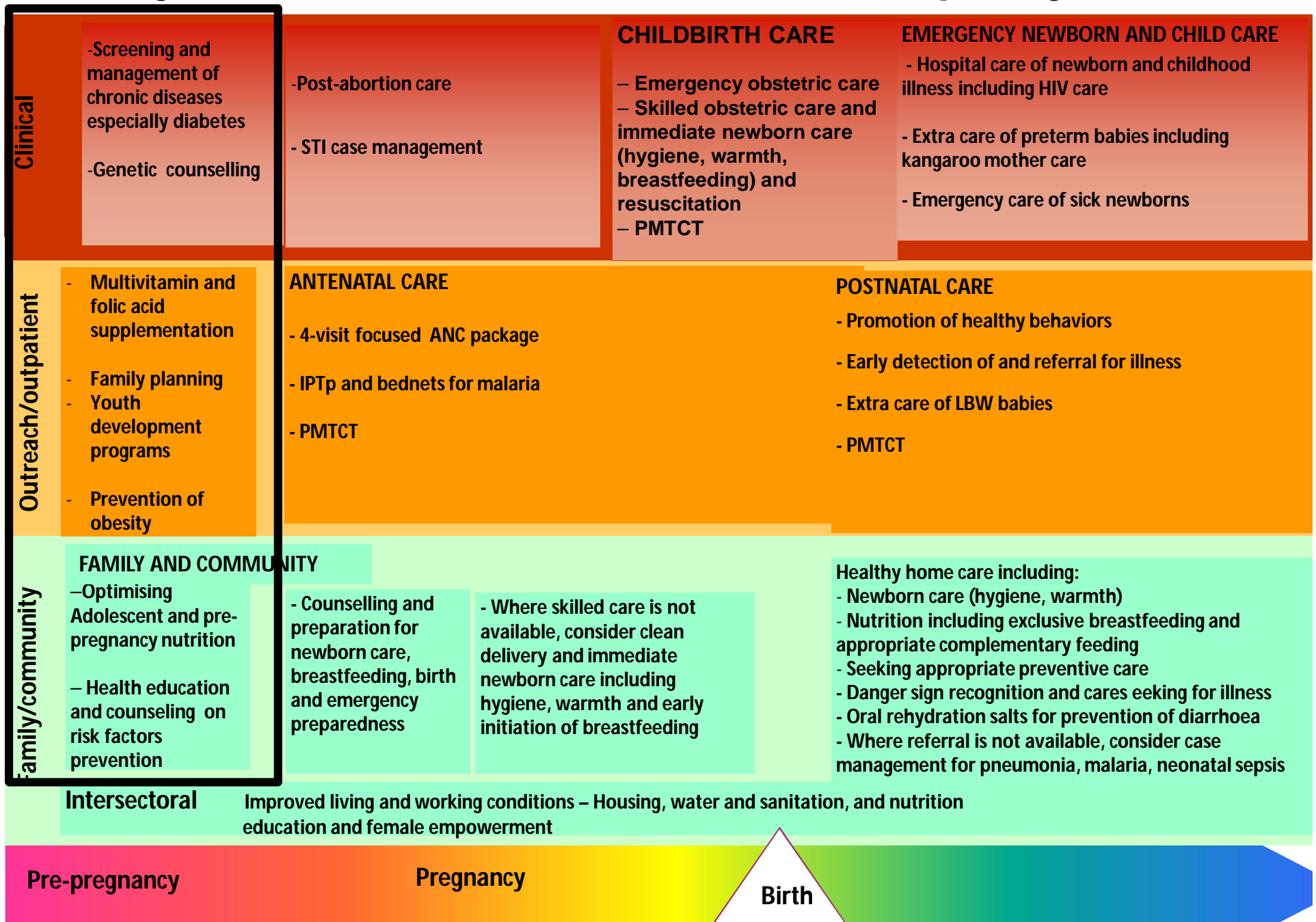
Basic Health Units

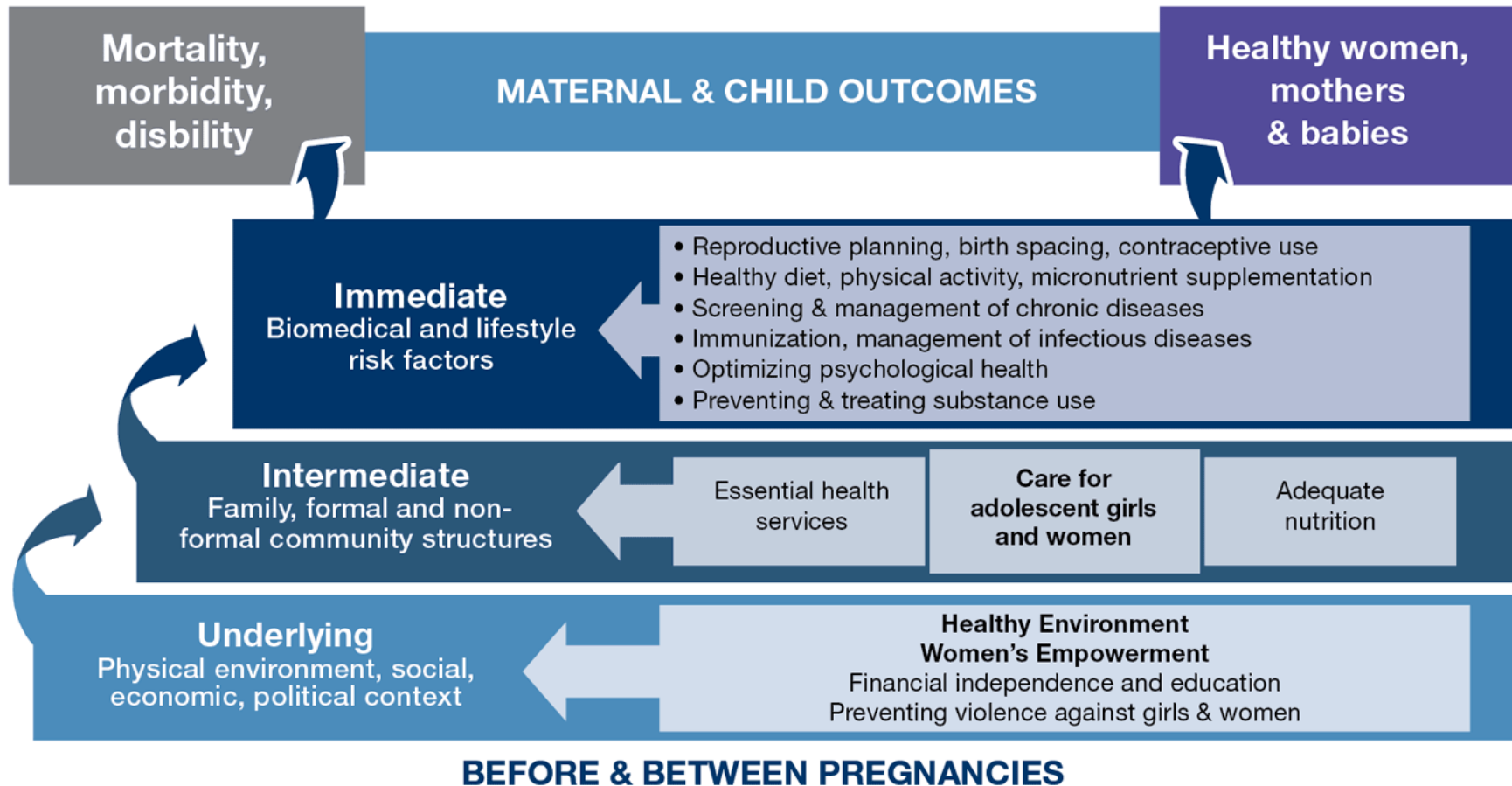


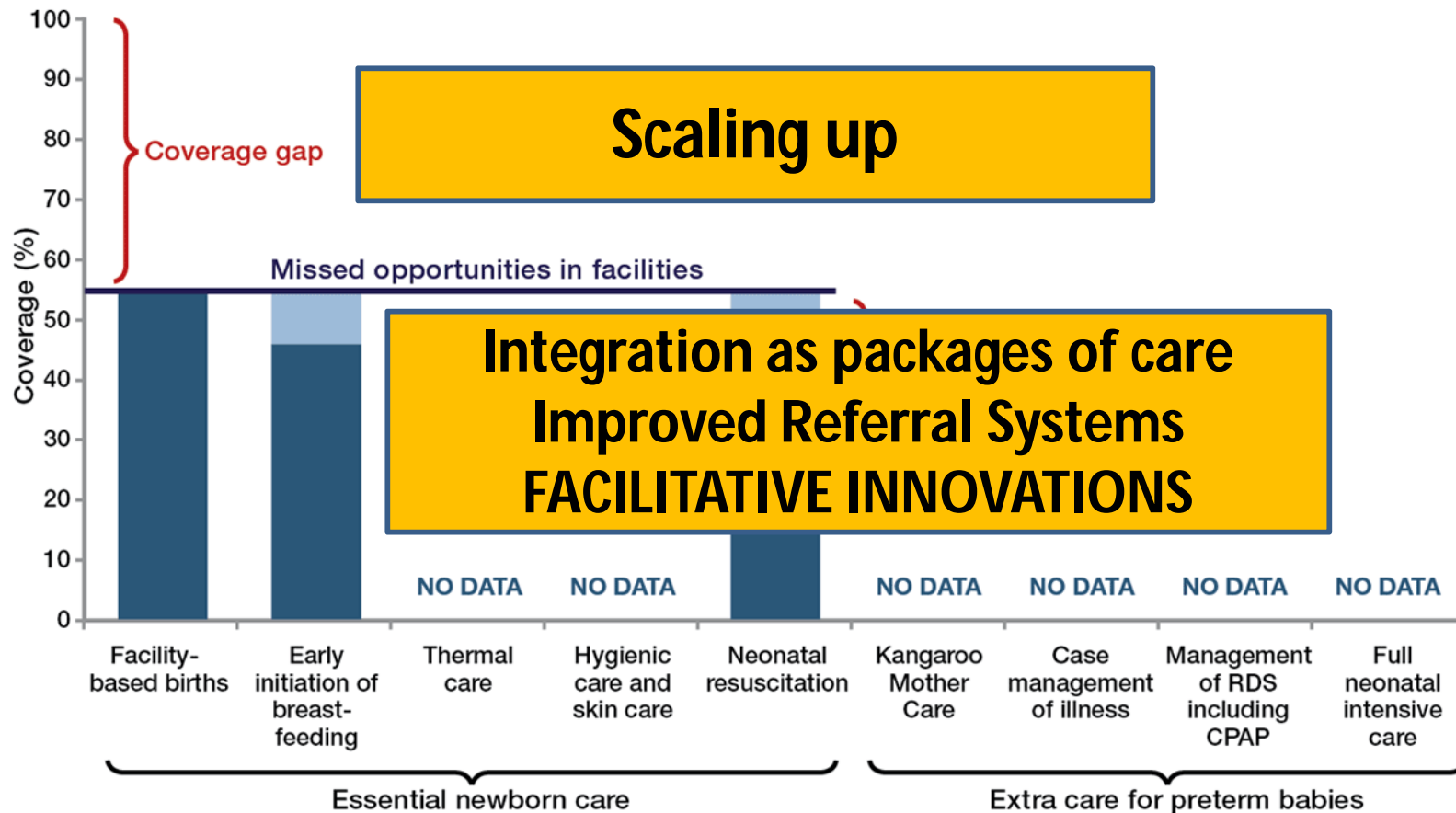
Family and
Community
Packages



Integrated maternal, newborn and child health packages of care



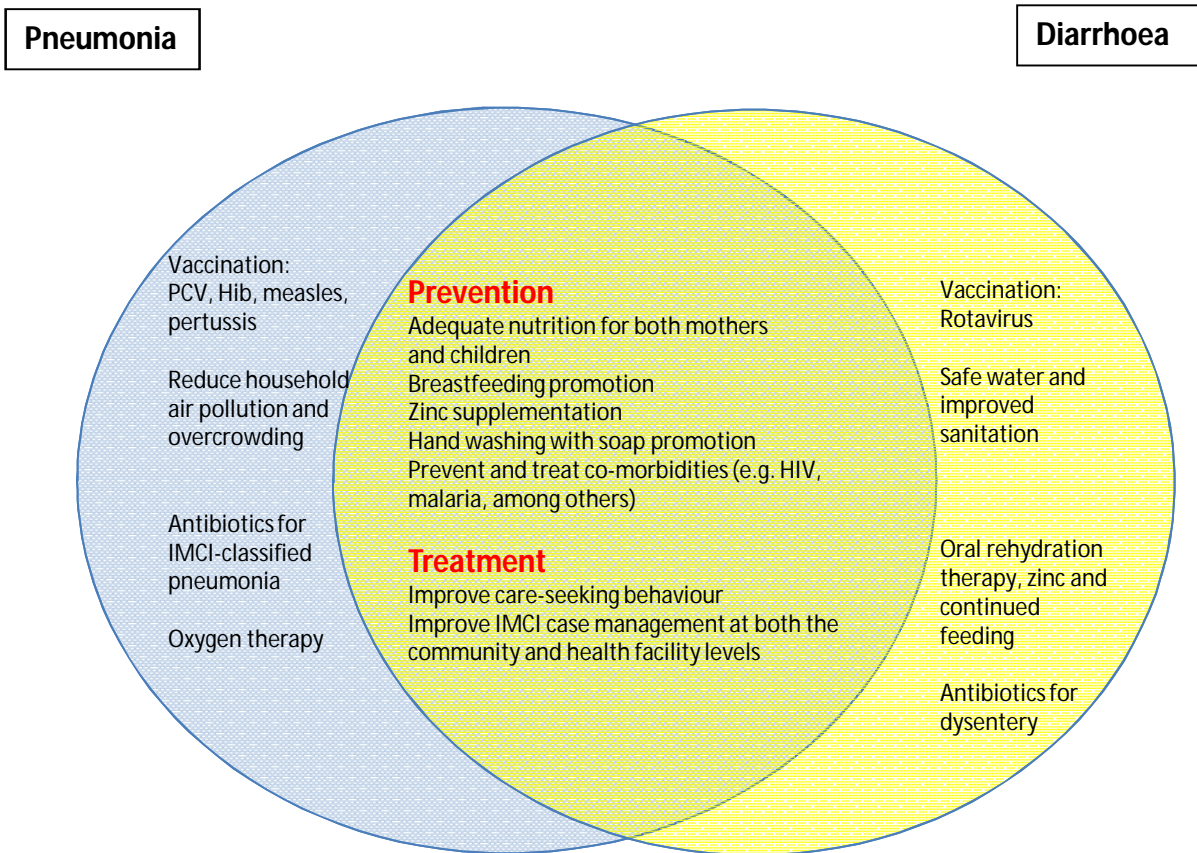




**Promoting Behavior Change
Demand Creation**

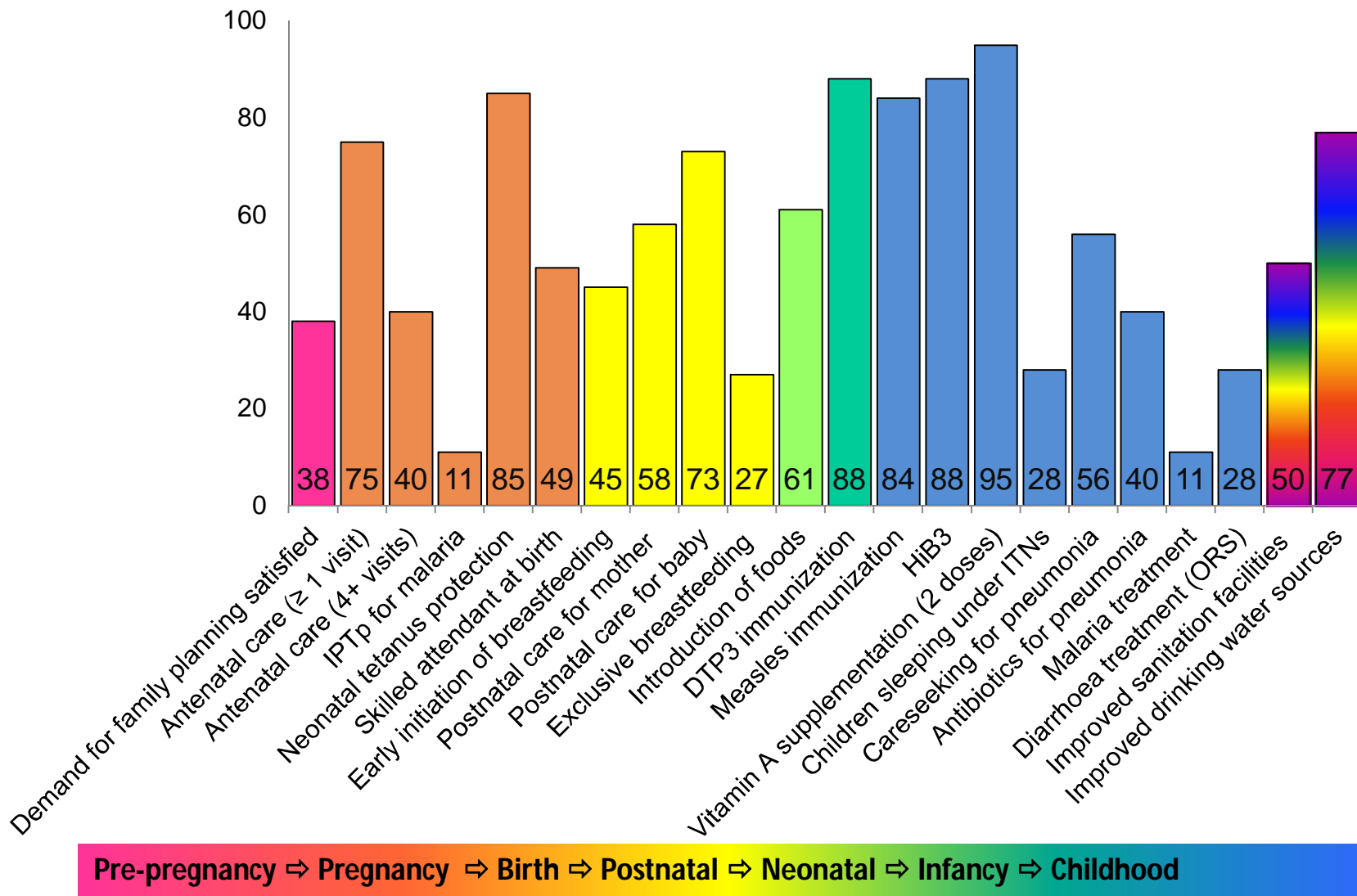
Born Too Soon:
The global action report on preterm birth, 2012

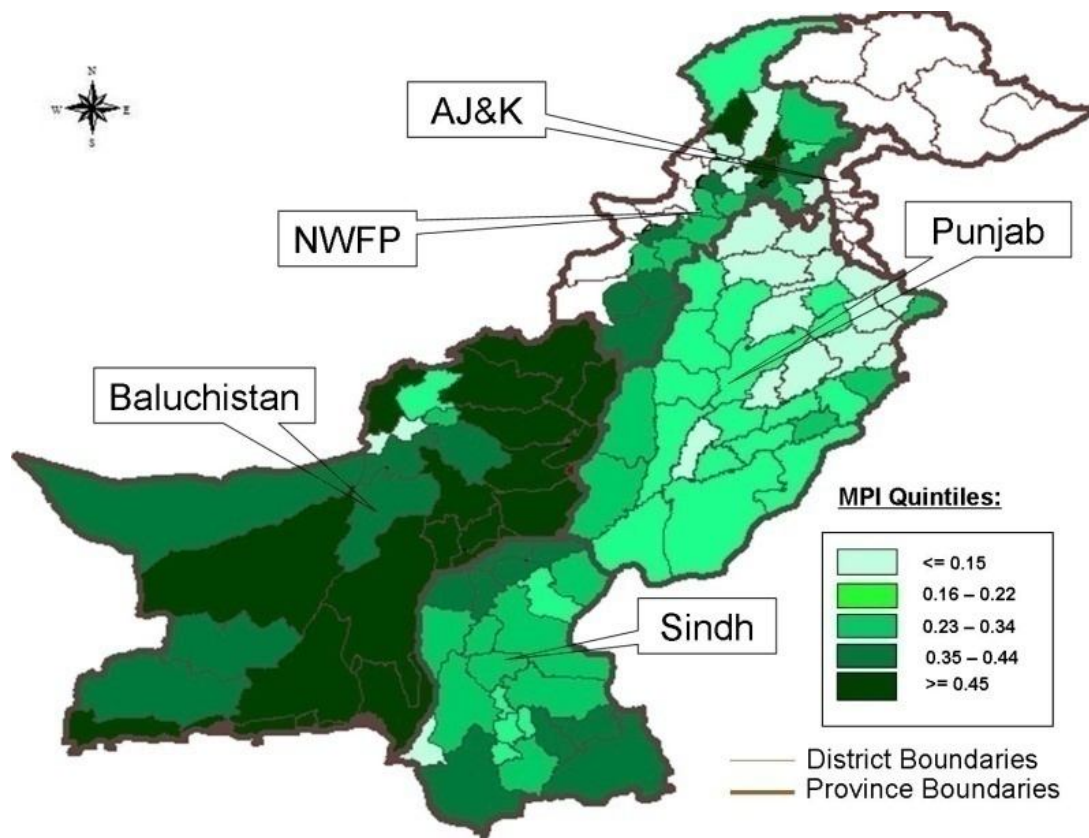
Prevention and treatment strategies for pneumonia and diarrhoea



***“The road to inaction is paved with
research reports”***

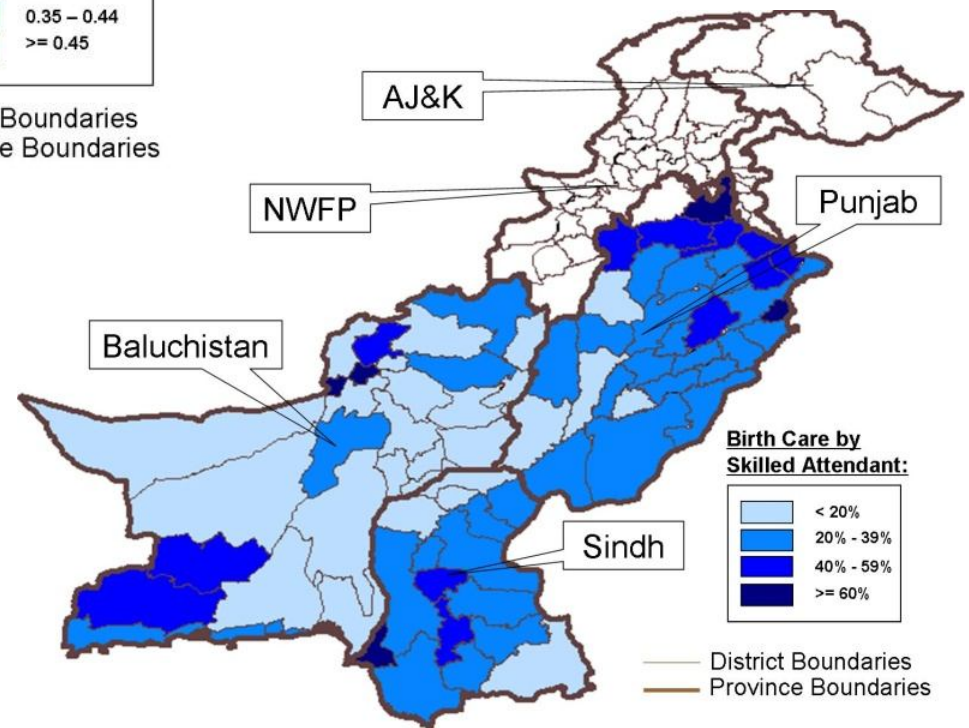
Median national coverage of interventions in Muslim Countdown countries based on the most recent measurement since 2006 (%).





Multi-dimensional poverty Index

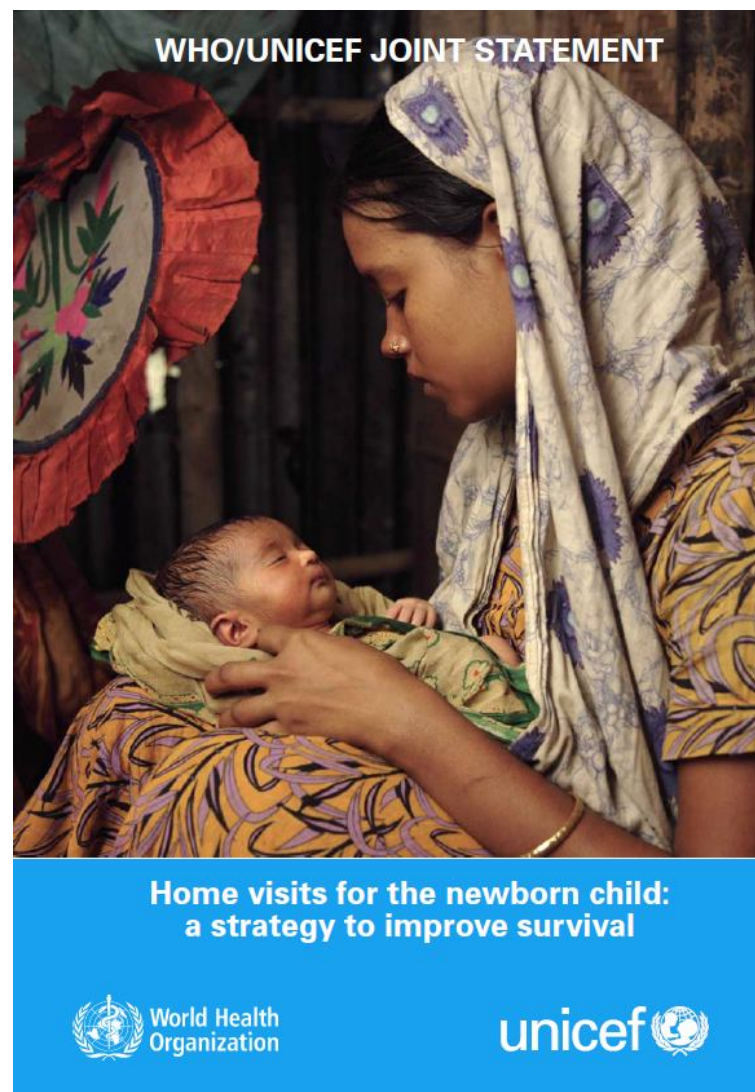
Skilled Birth Attendance



Reaching the unreached through community outreach programs

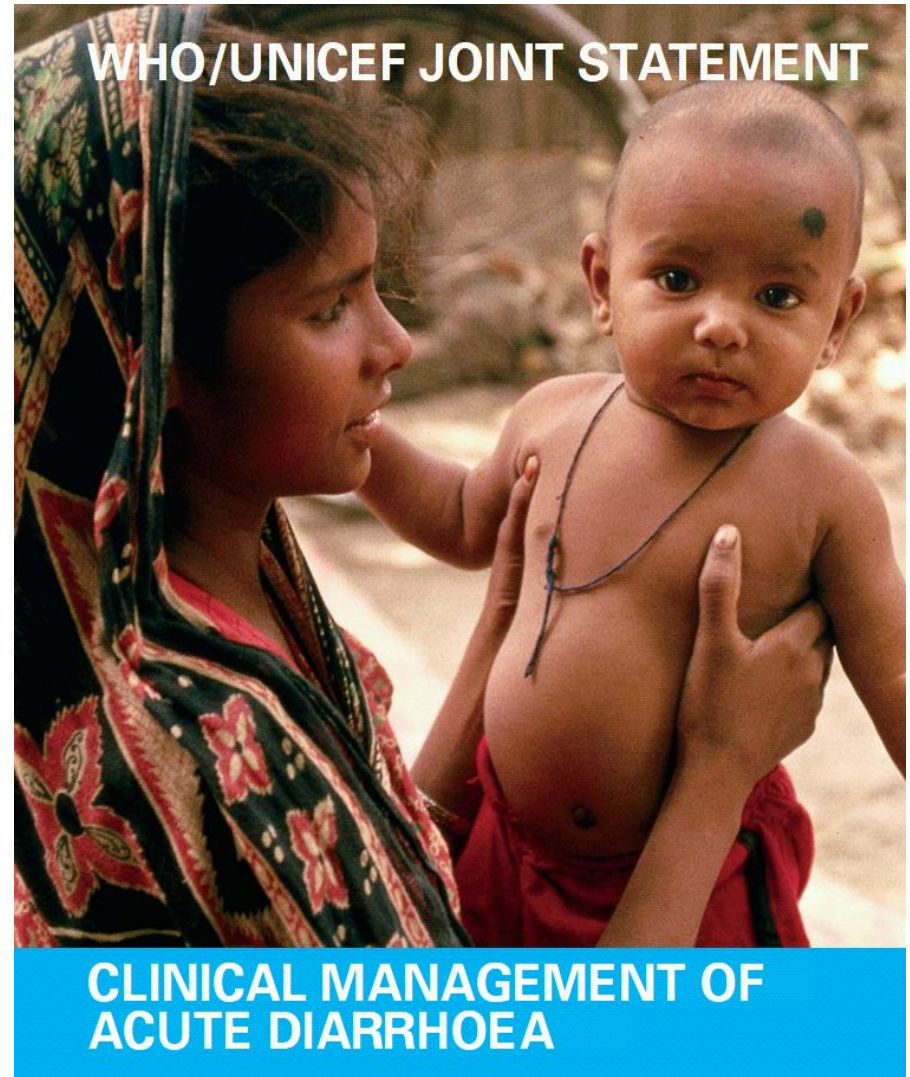
Community based Newborn Care

- Released in 2009
- Focused on home visits for mothers and newborns in the first week of life
 - Early breastfeeding
 - Birth registration
 - Cord and skin care
 - Care of low birth weight infants
 - Birth spacing and maternal counseling
 - Recognition of danger signs & referral
- Few countries have as yet implemented this strategy at scale with data on post-natal visits



Optimal management of diarrhea

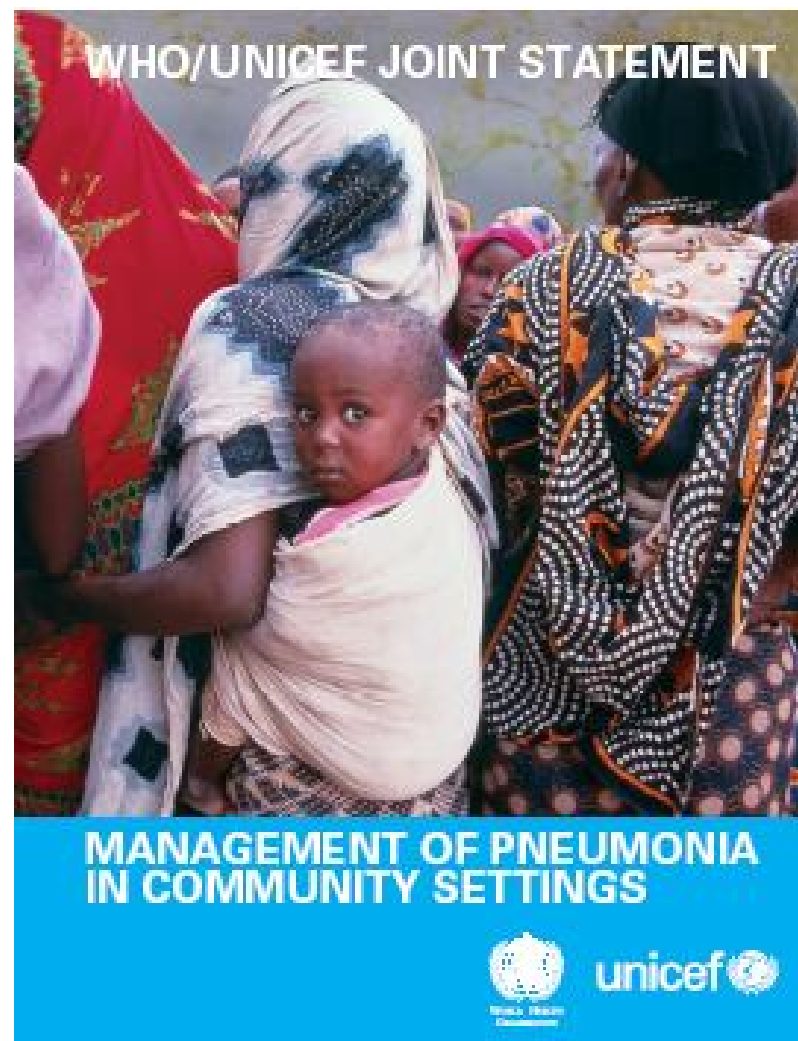
- **Approved in 2003**
- **Recommend for all cases of acute diarrhea**
 1. **Low osmolarity ORS**
 2. **Oral zinc sulfate 20 mg daily for 14 days**
 3. **Antibiotics in dysentery**
- **No country has as yet implemented this strategy at scale**



Community management of Pneumonia

“CHWs can be trained to assess sick children for signs of pneumonia; select appropriate treatments; administer the proper doses of antibiotics; counsel parents on how to follow the recommended treatment regimen; follow-up sick children; and refer them to a health facility in case of complications.

There is strong scientific and program evidence to support the effectiveness of this approach.”



WHO/UNICEF Joint Statement, “Management of Pneumonia in Community Settings,” May 2004

What works in community settings?


International Initiative for Impact Evaluation
Synthetic Review 005




Community-Based Intervention Packages for Preventing Maternal Morbidity and Mortality and Improving Neonatal Outcomes

Zohra S Lassi, Batool A Haider, and Zulfiqar A Bhutta
March 2010

3ie



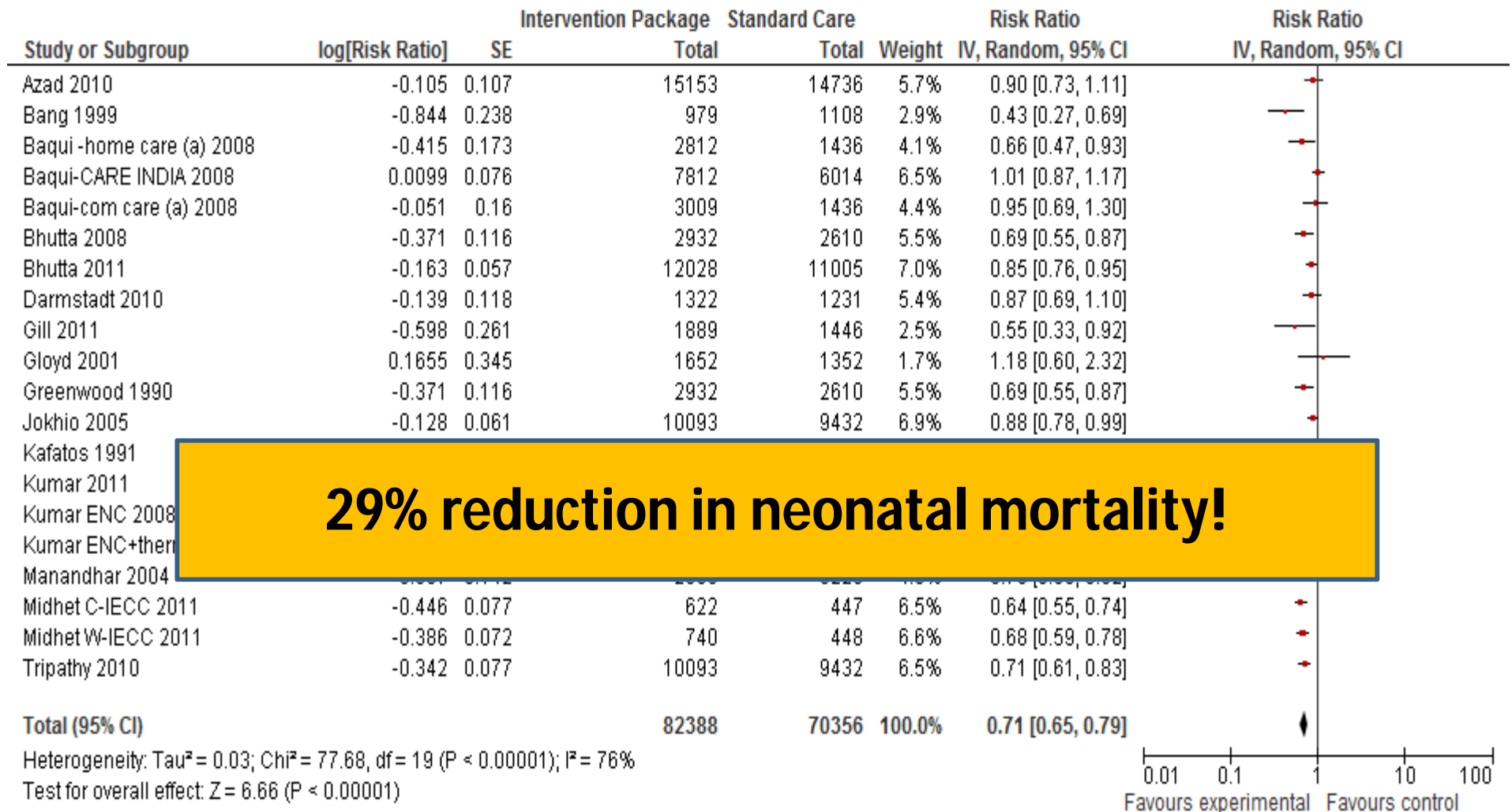
Global Experience of Community Health Workers for Delivery of Health Related Millennium Development Goals: A Systematic Review, Country Case Studies, and Recommendations for Integration into National Health Systems



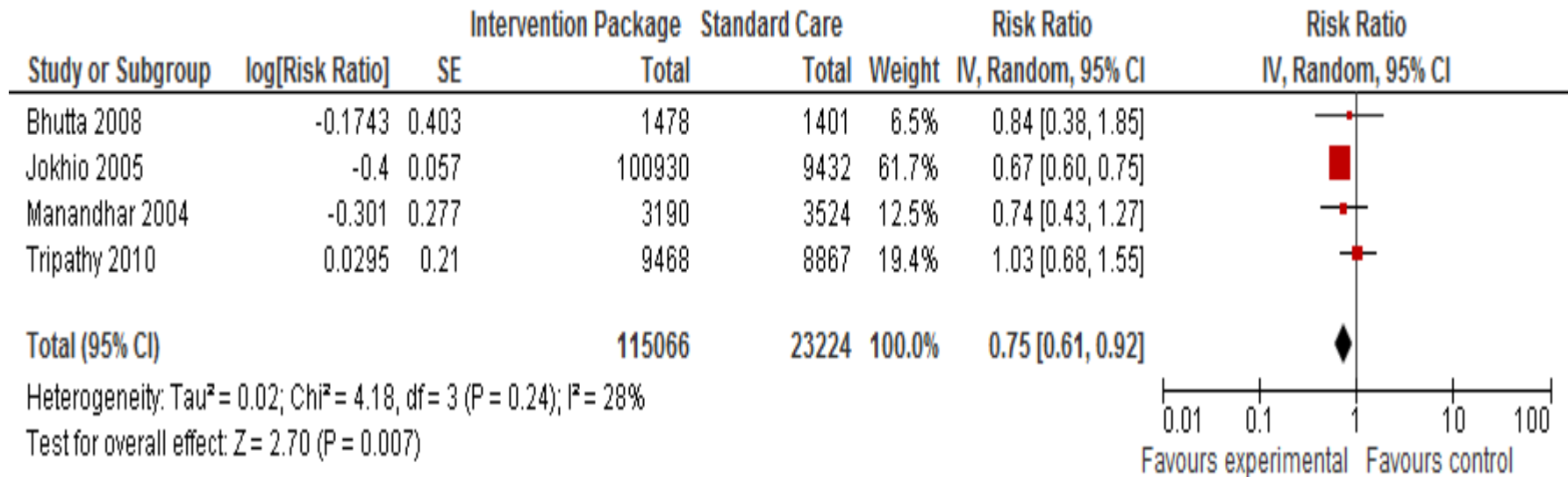
World Health Organization

global health workforce alliance

Impact of Community-based Intervention Packages on Neonatal Mortality



Impact of Community-based Intervention Packages on Maternal Morbidity

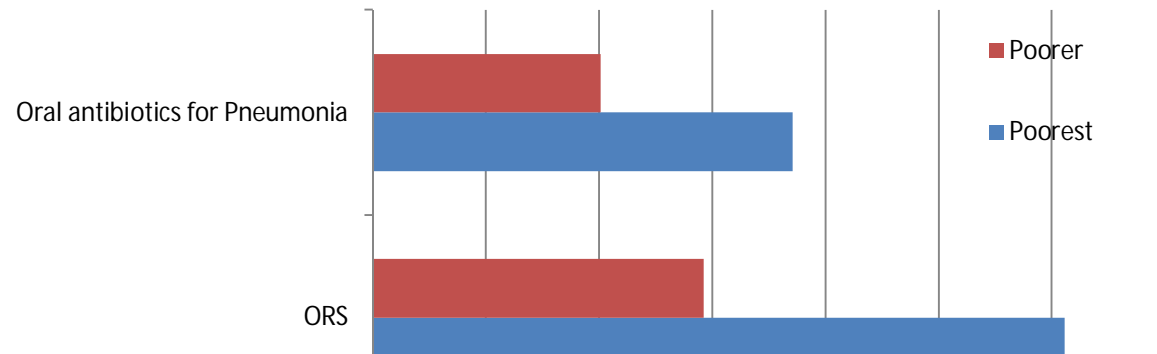


25% reduction in Maternal Morbidity!

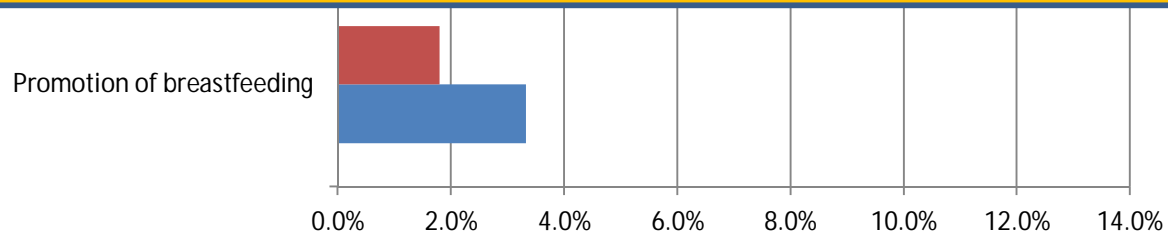
Source: Lassi ZS, Haider BA, Bhutta ZA. Community-based intervention packages for reducing maternal and neonatal morbidity and mortality and improving neonatal. *Cochrane Database of Systematic Reviews* 2010



Impact of scaling up community based service delivery for diarrhea & pneumonia in Pakistan



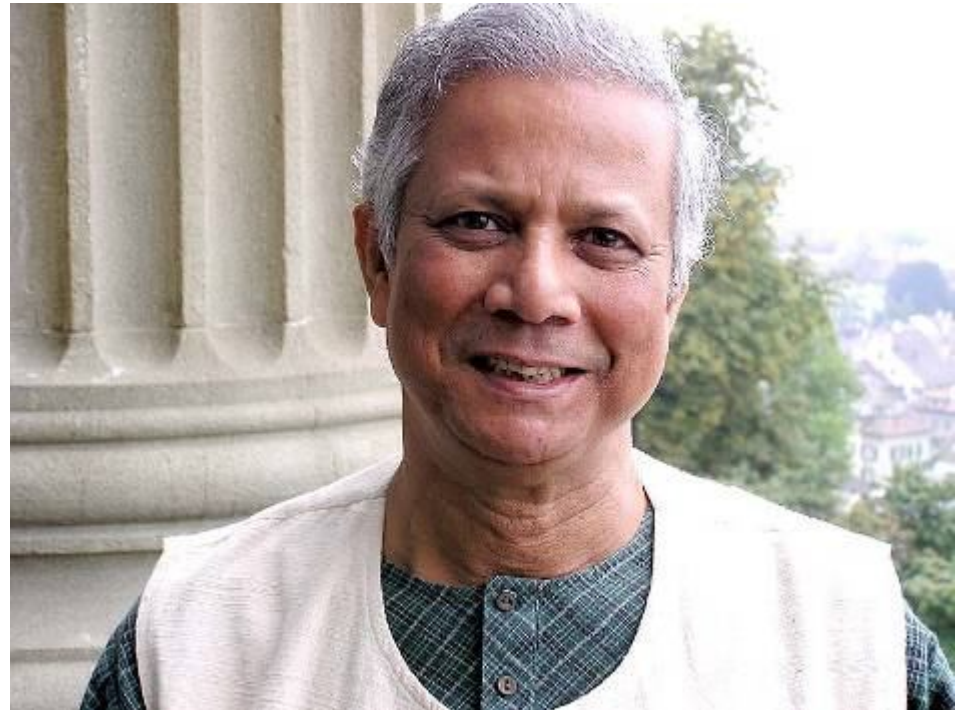
These four interventions alone can save 42% of all child deaths among the poorest quintiles



What will it take to implement

- **Country ownership** & Political will
- A clear focus on **equity** as a goal
- **Evidence based** policy making and **scaling up** interventions in neglected areas such as
 - The first 1000 + days to address early risks through preconception care, IUGR reduction and **early nutrition**
 - Target **newborn survival** as a priority
 - Linkage with the post-neonatal and young infant care agenda (a clear focus on reducing **Diarrhea & Pneumonia deaths**)
 - Health systems functionality and **Quality of Care**
- **Innovations** to accelerate implementation and **community demand creation**
- Monitoring and **Accountability**
- **Changing mindsets**

“My greatest challenge has been to change the mindset of people. Mindsets play strange tricks on us. We see things the way our minds have instructed our eyes to see”



Mohammad Yunus (Nobel Laureate 2006)