



# APHA Meeting

7<sup>th</sup> November 2007

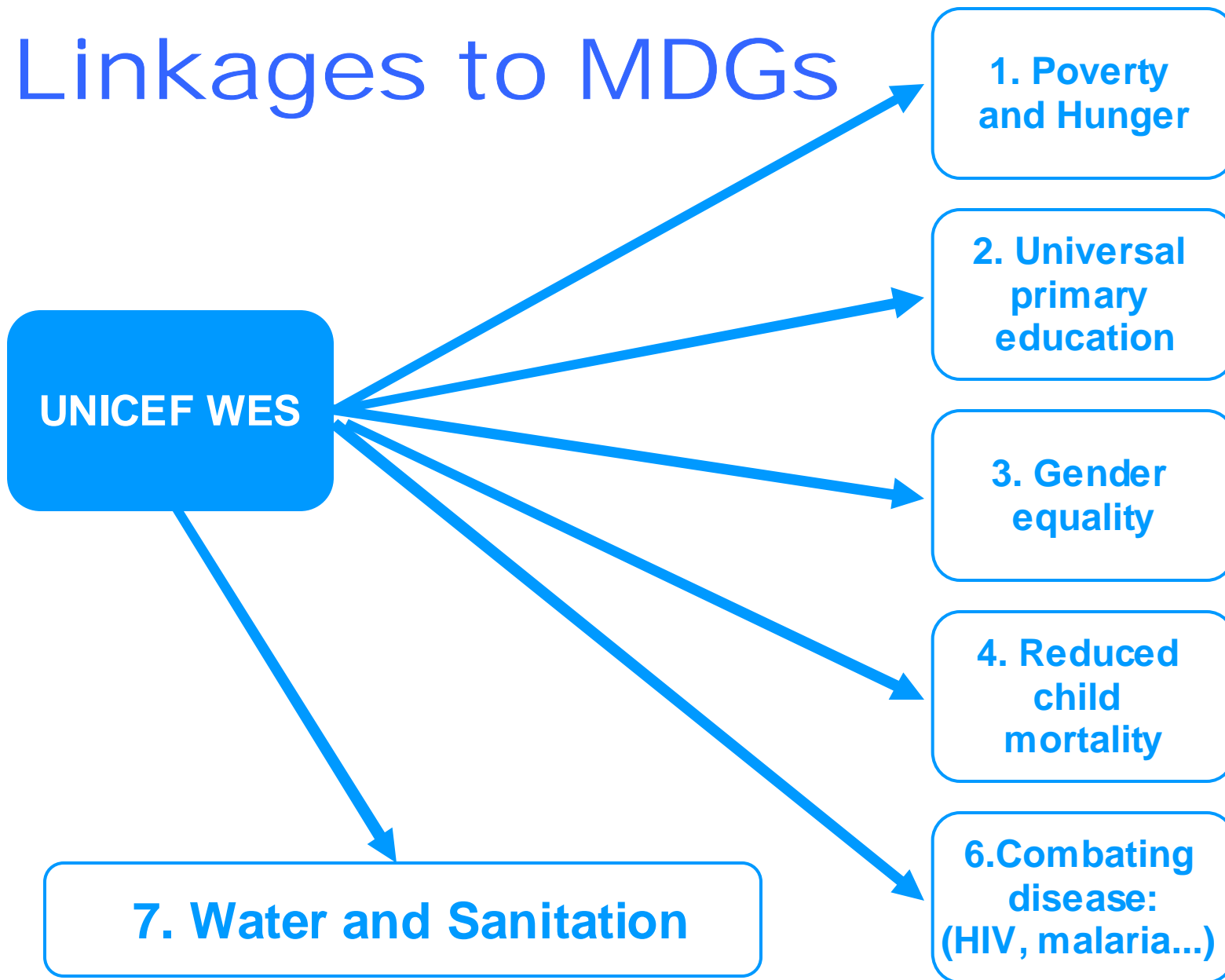
*Home hygiene and  
child health – quick  
wins for children*

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Sanitation  
**UNICEF**

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# Linkages to MDGs



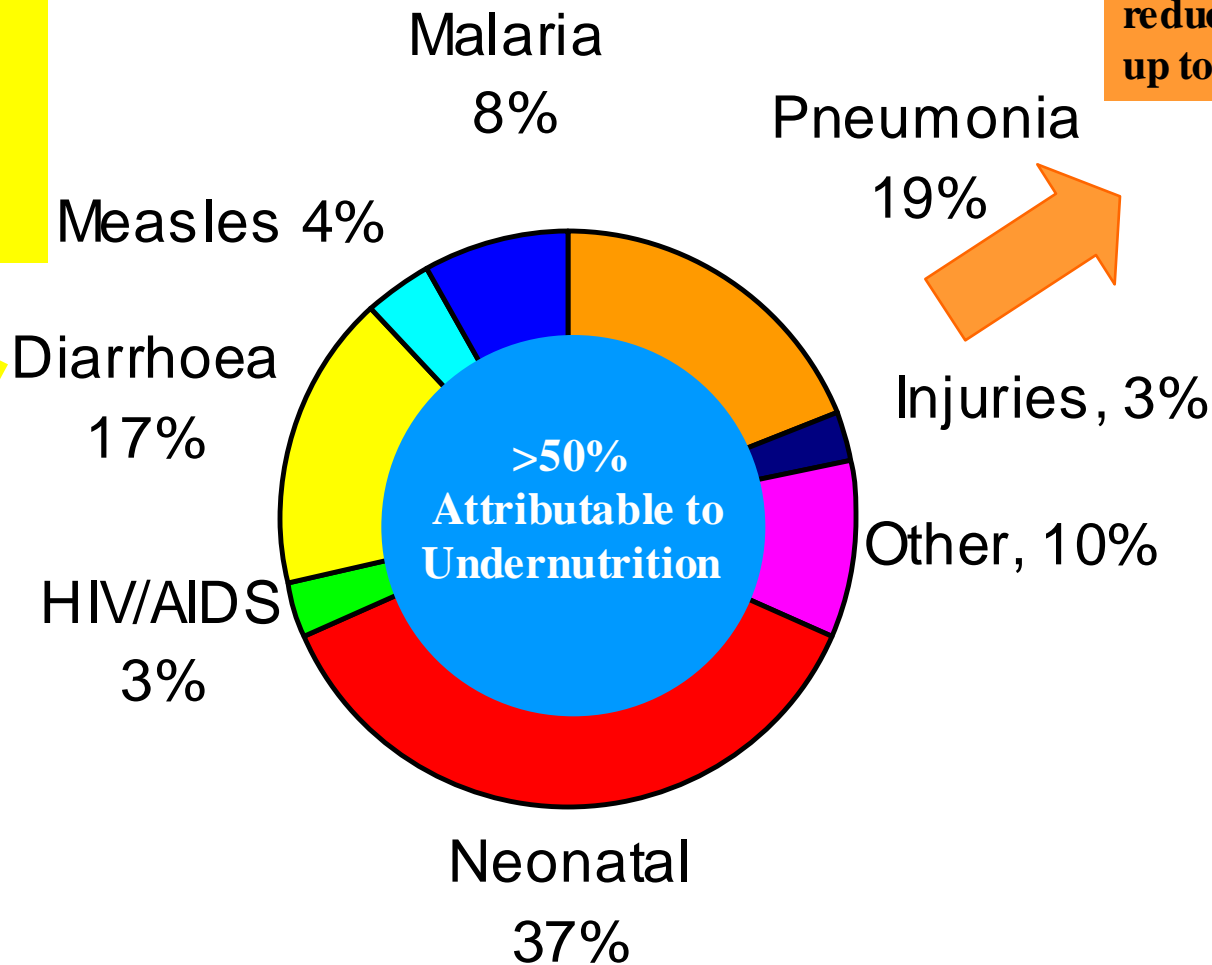
# Child Health Linkages

## **MDG 1, 4 and 6 : Health, HIV/AIDS and Nutrition**

- 85% of diarrhoeal deaths are from poor hygiene practices, contaminated drinking water, poor sanitation
- reducing number of episodes of diarrhoea and worm infestations has impact on nutritional status
- New evidence linking hand-washing and ARI
- WASH linked to helminths, guinea worm, fluorosis, arsenicosis
- WASH important in home-based care in reducing opportunistic infections

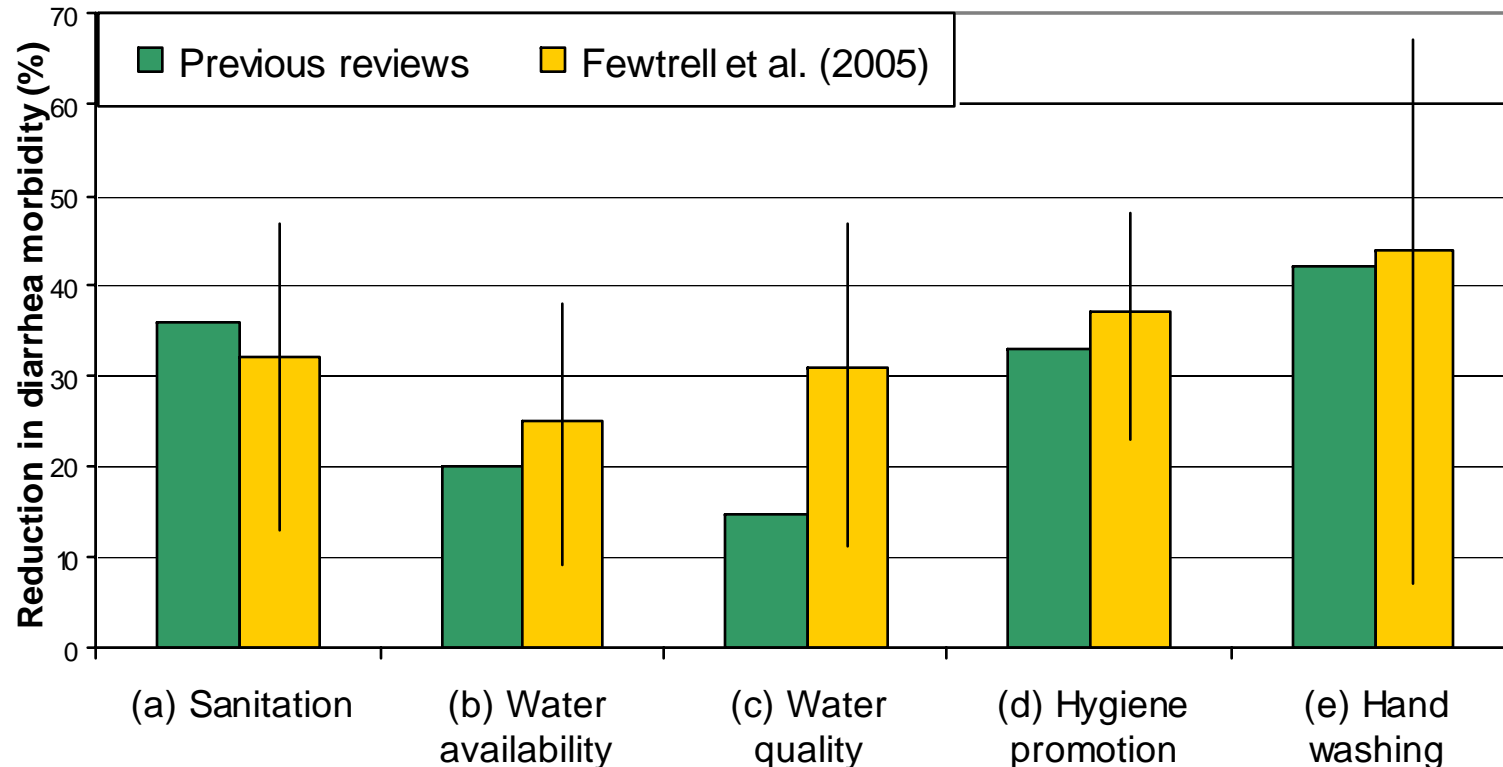
Poor hygiene, lack of access to sanitation and unsafe drinking water together contribute to about **88% of diarrhoea** deaths

New evidence showing that **HWWS** can reduce **ARI's** by up to **40%**



## Causes of Mortality among under-five Children

# Interventions to Combat Diarrhea



## Previous reviews:

a – d Esrey SA et al. (1991) Bull WHO 69 (5): 609-621

e Curtis V, Cairncross S (2003) Lancet Inf Dis 3: 275-281.

Fewtrell L et al. (2005) Lancet Infect Dis 5(1): 42-52.

# So what does this mean for **UNICEF?**

- **Water Supply**
- **Hygiene Promotion**
- **Home Water Treatment**
- **Sanitation Promotion**
- **WASH in Schools**
- **WASH in Emergencies**



**Evidence base + costing = High  
Impact/Low Cost Interventions  
Quick Wins for Children!**

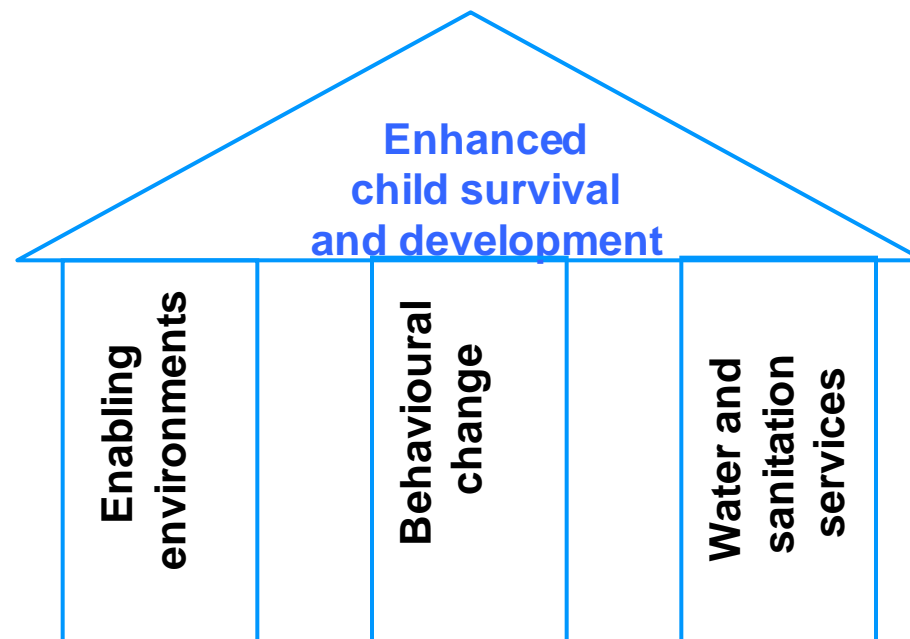
# Behaviour Change

- Use of safe drinking water – point of use water treatment
- Use of toilets - abandoning open defecation
- Hand washing with soap
- Safe disposal of young children's excreta



# Three Pillars

- Water and sanitation services
  - Community
  - Household
  - Schools
- Behaviour change
- Enabling Environments
  - policy, upstream work





# Child Health Epidemiological Reference Group (CHERG)

- look for data on prevalence of risk/protective factors
- systematic reviews of impact of those factors on Global Burden of Disease



## CHERG advocacy activities being supported by UNICEF

	<b>Activity</b>	<b>Deadline</b>
A	Cochrane review: impact of excreta disposal on health	Oct 2008 <sup>1</sup>
B	Water-borne vs. -washed transmission by pathogen	May 2008
C	Review of Ascariasis and handwashing	Dec 2007 <sup>2</sup>
D	Assess prevalence of safe disposal of child faeces in selected countries using DHS or MICS data and review the relation between child faeces disposal and child health	May 2009
F	Review the availability of data on hygiene behaviour and exposure to hygiene promotion.	April 2008
G	Compile existing evidence of efficacy of Handwashing and PoU interventions	CHERG meetings

# Thank You

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