

# Decreasing Shigellosis-related Deaths without *Shigella* spp.–specific Interventions, Asia

## Technical Appendix

Technical Appendix Table 1. Proportion and total number of diarrheal episodes in which *Shigella* was detected in children 0–4 years in community-based studies, Asia, 1990–2009

Country (reference)	Period	Setting	No. of diarrhea episodes	0–11 mo	1–4 y	0–4 y
Vietnam (1)	1998–1999	Rural	2,160	5.4%	6.7%	6.2%
India (2)	1998–1999	Rural	364			4.4%
China (3)	2002	Rural	1,851			3.1%
Thailand (3)	2000–2003	Rural	1,618			4.3%
Indonesia (3)	2001–2003	Rural	10,998			5.3%
Vietnam (3)	2001–2003	Rural	4,820			4.3%
Pakistan (3)	2002–2003	Rural	8,084			3.6%
Bangladesh (3)	2002–2004	Periurban	2,579			13.4%
				Median, %		
					4.4	
				Weighted mean (95% confidence interval), %		
				5.1 (4.4–5.7)		
Total estimated community-based cases: 39,669,000 (4.4% of 901,559,000)*						

\*From Table 1.

Technical Appendix Table 2. Proportion and total number of diarrheal episodes (in %) in which *Shigella* was detected in children 0–4 years in treatment facility–based studies, Asia, 1990–2009

Country (reference)	Period	Setting	No. diarrhea cases	Proportion <i>Shigella</i> , %	
				0–11 mo	1–4 y
Bangladesh (4)	1993–1994	Urban	814	5.9	13.9
Laos (5)	1994–1995	Urban	183	3.5	9.4
Thailand (6)	1995–1996	Urban	105		7.6
Saudi Arabia (7)	1995–1996	Urban	150	6.7	
Laos (8)	1996–1997	Urban	672	9.3	23.5
Yemen (9)	1998	Urban	561	6.4	7.2
India (10)	1995–2000	Urban	2,855		
Iran (11)	2001–2002	Urban/Rural	422	9.3	12.4
Indonesia (12)	2005–2008	Urban	12,670	← 2.4 →	
Bangladesh*	1990–1999	Urban/Rural	18,222	5.1	12.3
Bangladesh†	2000–2008	Urban	10,819	4.0	7.1
Bangladesh‡	2000–2008	Rural	8,186	5.1	14.9
				Median	
				5.8	9.4
				Weighted mean (95% confidence interval), %	
				6.6 (6.0–7.2)	

\*International Centre for Diarrhoeal Disease Research, Bangladesh (ICDDR,B) hospital surveillance system.

†ICDDR,B hospital surveillance system (urban).

‡ICDDR,B hospital surveillance system (rural).

Technical Appendix Table 3. Proportion of diarrheal episodes in which *Shigella* was detected in older children and adults in community-based studies, Asia, 1990–2009

Country (reference)	Period	Setting	Diarrhea episodes, no. (%)
China (3)	2002	Rural	8,253 (3.3)
Thailand (3)	2000–2003	Rural	4,918 (1.6)
Indonesia (3)	2001–2003	Rural	5,227 (11.8)
Vietnam (3)	2001–2003	Urban/Rural	5,438 (3.4)
Pakistan (3)	2002–2003	Rural	2,287 (4.6)
Bangladesh (3)	2002–2004	Periurban	885 (13.5)
Median			(4.0)
Weighted mean (95% confidence interval)			4.6 (4.0–5.1)

Technical Appendix Table 4. Proportion of diarrheal episodes in which *Shigella* was detected in older children and adults a treatment facility-based studies, Asia, 1990–2009

Country (reference)	Period	Setting	No. diarrhea cases	Proportion <i>Shigella</i> spp. Positive, %	
				5–14 y	≥15 y
Laos (5)	1994–95	Urban	80	12.5	
Laos (8)	1996–97	Urban	106		10.6
Pakistan (13)	1997–99	Rural	264	←—13—→	
Iran (11)	2001–02	Urban/Rural	312	17.3	27
Bangladesh*	1990–99	Urban/Rural	15,136	←—10.7—→	
Bangladesh†	2000–08	Urban	8,987	4.7	4.1
Bangladesh‡	2000–08	Rural	5,324	8.6	9.8
Median				11.6	10.7
Weighted mean (95% confidence interval)				8.3 (7.7–9.0)	

\*International Centre for Diarrhoeal Disease Research, Bangladesh (ICDDR,B) hospital surveillance system.

†ICDDR,B hospital surveillance system (urban).

‡ICDDR,B hospital surveillance system (rural).

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