

Table S2: appraisal of the risk of bias of the included studies

AUTHOR	1. Study participation	2. Study Attrition	3.Risk factors measurement	4. Outcome measurement	5. Study confounding	6. Statistical analysis	Overall risk of bias
Agrawal 1995							
Arifeen 2001							HIGH
Ayeko 2012							
Bachmann 1996							HIGH
Bahl 2005							
Bahwere 2004							HIGH
Banajee 1997							
Banajee 1998							HIGH
Berkley 2010							
Chisti 2011							
Chisti 2013							
Collings 1985							HIGH
Cotes 2011							HIGH
De Francisco 1993							HIGH
Deivanayagam 1992							HIGH
Delpont 2002							
Demers 2000							
Djelantik 2003							HIGH
Duke 2001							
El Kohli 2013							
Espinal 1996							HIGH
Fagbule 1990							HIGH
Ferreira 2013							
Ghani 2012							
Graham 2000							
Graham 2011*							
Hildenwall 2009							
Hoque 1999							
Hussain 1999							HIGH
Johnson 1992**							HIGH
Johnson 2008							
Kitchin 2011							HIGH
Lehman 1996							HIGH
Lupisan 2007							
Madhi 2000							
Man 1998							HIGH
Mathur 2002							HIGH
McNally 2007							
Millán 1999							HIGH
Morrow 2010							
Mtango 1992							HIGH
Murtagh 2009							HIGH
Naheed 2009							HIGH
Nantanda 2008							
Nascimento-Carvalho 2002							
Nathoo 1993							
Niobey 1992							HIGH
O'Callaghan-Gordo 2011							
Onyango 1993							HIGH
Perez 2007							HIGH
Preidis 2011							
Post 1992							HIGH

Quiambao 1998	Red	Green	Yellow	Green	Red	Red	HIGH
Quiambao 2009	Yellow	Green	Green	Green	Green	Yellow	
Ramachandra 2012	Green	Green	Yellow	Green	Yellow	Yellow	
Rehfuess 2009	Yellow	Green	Green	Red	Yellow	Green	HIGH
Reyes 1997	Yellow	White	Green	Green	Yellow	Yellow	HIGH
Rodríguez 2010	White	Green	Green	Green	Yellow	Yellow	HIGH
Rodríguez 2013	Green	Green	Green	Green	Green	Yellow	
Roth 2005	Green	Yellow	Green	Red	Yellow	Green	
Shah 2012	White	Green	Yellow	Green	Green	Yellow	
Sehgal 1997	White	Green	Green	Yellow	Green	Red	
Shann 1989	Yellow	Green	Yellow	Green	Red	Yellow	HIGH
Sigauque 2009	Green	Green	Yellow	Green	Yellow	Yellow	
Smyth 1998***	Yellow	Green	Yellow	Green	Yellow	Yellow	HIGH
Sutanto 2002	Yellow	White	Green	Green	Red	Yellow	
Tupasi 1988	Yellow	White	Yellow	Green	Yellow	Yellow	HIGH
Tupasi 1990****	Yellow	Green	Green	Green	Green	Yellow	
Uriyo 2006	Yellow	Yellow	Yellow	Green	Red	Yellow	HIGH
Veirum 2004	Red	Green	Green	Yellow	Red	Red	HIGH
Vejar 2000	Yellow	Green	Yellow	Green	Red	Yellow	HIGH
Victoria 1987	Green	Green	Green	Yellow	Red	Yellow	
Victoria 1988*****	Green	Green	Yellow	Yellow	Green	Green	
Weissenbacher 1990	Green	Green	Yellow	Red	Red	Yellow	HIGH
Ye 2009	Green	Green	Green	Yellow	Yellow	Green	
Yoon 1997*****	Green	Green	Green	Yellow	Green	Yellow	
Zar 2001	Yellow	Green	Green	Green	Yellow	Yellow	

* includes Ramakrishna 2012

** includes Johnson “Host factors” 1992

*** includes Smyth 1997

**** includes Tupasi “Etiology” 1990

***** includes Victoria 1988

***** includes Yoon 1996

	Rating of the risk of bias in the domain
Green	Low
Yellow	Moderate
Red	High
White	Unknown