

### Appendix 2 – Risk of bias and quality of included studies

Country	Year	Citation	1	2	3	4	5	6	7	8	9	10	11	Quality
USA	2019	Fabian 2019	yes	yes	no	unclear	unclear	no	no	yes	no	yes	yes	moderate
China	2018	Cheng 2018	yes	yes	yes	unclear	unclear	yes	no	no	no	no	no	moderate
South Africa	2018	Spies 2018	yes	yes	no	no	unclear	yes	no	yes	no	no	no	moderate
Zimbabwe	2018	Verhey 2018	yes	yes	yes	no	unclear	yes	yes	no	no	yes	no	moderate
China	2018	Gao 2018	yes	yes	yes	no	unclear	no	no	yes	no	no	no	moderate
USA	2017	McLean 2017	yes	yes	yes	no	unclear	yes	yes	yes	no	yes	no	moderate
USA	2017	Kemppainen 2017	yes	yes	no	no	unclear	no	no	no	no	no	no	low
USA	2016	Gonzalez 2016	yes	yes	yes	no	unclear	yes	yes	yes	no	yes	no	moderate
USA	2016	Rubin 2016	yes	yes	yes	no	no	no	yes	yes	yes	yes	no	moderate
USA	2016	John 2016	yes	no	yes	yes	no	yes	no	no	no	no	no	moderate
USA	2016	Julnes 2016	yes	yes	yes	no	unclear	no	yes	yes	no	no	no	moderate
China	2016	Zhang 2016	yes	yes	no	no	no	no	no	no	no	yes	no	low
USA	2015	Battaglia 2015	yes	yes	yes	no	unclear	no	no	no	no	yes	no	moderate
South Africa	2015	Hansrod 2015	yes	yes	yes	no	unclear	yes	no	yes	no	no	no	moderate
USA	2015	Brownley 2015	yes	yes	yes	unclear	unclear	no	no	no	no	yes	no	moderate
USA	2014	Malee 2014	yes	yes	yes	no	unclear	no	yes	yes	yes	yes	yes	high
USA	2014	Glémaud 2014	yes	yes	yes	unclear	unclear	no	no	no	no	no	no	low

USA	2013	Gore-Felton 2013	yes	yes	no	no	unclear	yes	no	no	no	no	no	low
USA	2013	Glover 2013	yes	yes	no	unclear	unclear	yes	yes	yes	yes	yes	yes	high
Haiti	2013	Dévioux 2013	yes	yes	yes	no	unclear	no	no	yes	no	no	no	moderate
Rwanda	2013	Gard 2013	yes	yes	yes	unclear	no	no	yes	yes	no	yes	no	moderate
Gambia	2012	Peterson 2012	yes	yes	yes	yes	yes	no	yes	yes	yes	yes	no	high
Uganda	2011	Kinyanda 2011	yes	yes	yes	yes	unclear	no	yes	yes	no	yes	no	moderate
USA	2011	Bogart 2011	yes	yes	yes	no	unclear	no	yes	yes	no	no	no	moderate
UK	2011	Martin 2011	yes	yes	yes	no	unclear	no	no	no	no	yes	no	moderate
USA	2011	Reisner 2011	yes	yes	yes	no	unclear	no	yes	yes	yes	no	no	moderate
UK	2010	Theunink 2010	yes	no	no	no	no	no	no	no	no	no	no	low
South Africa	2010	Joska 2010	yes	yes	no	unclear	unclear	yes	no	yes	yes	no	no	moderate
Nigeria	2009	Adewuya 2009	yes	yes	no	no	unclear	no	no	yes	no	yes	no	moderate
South Africa	2009	Spies 2009	yes	yes	no	no	unclear	yes	no	yes	no	yes	no	moderate
South Africa	2008	Fincham 2008	yes	yes	yes	yes	unclear	no	yes	yes	yes	no	no	moderate
USA	2007	Zanjani 2007	yes	yes	yes	no	unclear	no	no	yes	yes	no	no	moderate
USA	2007	Israelski 2007	yes	yes	yes	unclear	unclear	no	no	no	no	no	no	low
USA	2006	Boarts 2006	yes	no	no	no	unclear	yes	yes	yes	no	no	yes	moderate
USA	2005	Leserman 2005	yes	yes	no	yes	no	no	yes	yes	yes	yes	no	high
South Africa	2003	Olley 2003	yes	yes	no	yes	unclear	no	no	yes	no	no	no	moderate

USA	2003	Vitiello 2003	yes	no	no	no	unclear	no	yes	no	no	yes	yes	moderate
USA	2002	Martinez 2002	yes	yes	no	yes	unclear	no	yes	no	no	yes	no	moderate

Risk of bias was assessed using the Agency for Healthcare Research and Quality (AHRQ). The checklist included 11 items. Each item was coded with a “yeses/No/Unclear”: “No” or “Unclear” was scored “0”, and “yeses” was scored “1”. Total score out of 11 where 8-11, 4-7, and 0-3 depict high, moderate and low quality, respectively.