**Table S1** Summary of agreed level of bias and level of agreement on the methodological qualities of included studies in meta-analysis based on sampling, outcome, response rate and method of analysis

|  |  |
| --- | --- |
| Study  | Overall agreement and precision  |
|  | Percentage of agreement | Kappa value | Level of agreement  |
| Mpungu 2011 | 75 | 0.60  | Moderate  |
| Psaros 2016 | 100 | 1 | Almost perfect |
| Shumba 2013 | 75 | 0.50 | Moderate  |
| Kinyanda 2017 | 75 | 0.60 | Moderate  |
| Yeneabat 2017 | 75 | 0.60 | Moderate  |
| Kinyanda 2011 | 75 | 0.60 | Moderate  |
| Nakajjussa 2016 | 100 | 1 | Almost perfect |
| Akena 2012 | 100 | 1 | Almost perfect |
| Hatcher 2012 | 100 | 1 | Almost perfect |
| Cohen 2009 | 100 | 1 | Almost perfect |
| Musisi 2014 | 100 | 1 | Almost perfect |
| Tesfaw 2016 | 100 | 1 | Almost perfect |
| Elbadawi 2017 | 100 | 1 | Almost perfect |
| Eshetu 2017 | 100 | 1 | Almost perfect |
| Berhe 2015 | 100 | 1 | Almost perfect |
| Mohammed 2015 | 100 | 1 | Almost perfect |
| MB.ChB 2011 | 75 | 0.60 | Moderate  |
| Marawik 2010 | 75 | 0.50 | Moderate  |
| Kahazura 2006 | 100 | 1 | Almost perfect |