**Table S2. Checklist for quality of reporting: Quantitative Studies.**

We appraised the quality of reporting of each study using a checklist of criteria based on methods described in a previous review [[1](#_ENREF_1)]. Quantitative studies were assessed for reporting of 10 criteria, as follows: study context, sampling strategy, use of randomization, methodology, systematic data analysis, multivariate analysis, the minimization of recall, social desirability and measurement bias, and whether the findings were discussed in reference to policy, programming or further research [[2](#_ENREF_2),[3](#_ENREF_3)].

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Criteria** | | | | | | | | | | **SCORE (n/10)** |
| **Author/Year** | **Description of Context** | **Participants and Sampling described** | **Randomiza-tion used** | **Methods described** | **Systematic Data Analysis described** | **Multivariate analysis used** | **Recall bias minimised** | **Social desirability bias minimised** | **Measurement bias minimised** | **Findings discussed** |
| Adam, 2008 [[4](#_ENREF_4)] | √ | √ |  | √ | √ |  |  |  |  | √ | 5 |
| Enato, 2009 [[5](#_ENREF_5)] | √ | √ | √ | √ | √ | √ |  |  | √ | √ | 7 |
| Ghouth, 2013 [[6](#_ENREF_6)] | √ | √ |  | √ | √ |  | √ |  |  | √ | 6 |
| Harrison, 2012 [[7](#_ENREF_7)] | √ | √ |  | √ | √ |  |  |  |  | √ | 5 |
| Henry. 2012 [[8](#_ENREF_8)] | √ | √ | √ | √ | √ |  | √ | √ | √ | √ | 9 |
| Kalilani-Phiri, 2011 [[9](#_ENREF_9)] | √ | √ | √ | √ | √ |  |  | √ | √ | √ | 8 |
| Kamuhabwa, 2011[[10](#_ENREF_10)] | √ | √ |  | √ | √ |  |  |  |  |  | 4 |
| Karunamoorthi, 2010 [[11](#_ENREF_11)] | √ | √ |  | √ | √ |  |  |  | √ | √ | 6 |
| Kwansa-Bentum, 2011 [[12](#_ENREF_12)] | √ | √ | √ | √ | √ |  |  | √ | √ | √ | 8 |
| Luz, 2013 A [[13](#_ENREF_13)] | √ | √ |  | √ | √ |  | √ | √ |  | √ | 7 |
| Maiga, 2010 [[14](#_ENREF_14)] |  | √ |  | √ | √ |  |  |  |  | √ | 4 |
| Manirakiza, 2011 [[15](#_ENREF_15)] | √ | √ |  | √ | √ |  | √ | √ | √ | √ | 8 |
| Mbachu, 2012 [[16](#_ENREF_16)] | √ | √ | √ | √ | √ | √ | √ |  | √ | √ | 9 |
| Mbonye, 2010 [[17](#_ENREF_17)] |  | √ | √ | √ | √ |  |  |  |  |  | 4 |
| Mbonye, 2013 [[18](#_ENREF_18)] | √ | √ |  | √ | √ |  |  |  | √ | √ | 6 |
| Minyaliwa, 2012 [[19](#_ENREF_19)] |  | √ |  | √ | √ |  |  |  |  | √ | 4 |
| Obieche, 2013 [[20](#_ENREF_20)] | √ | √ |  | √ | √ |  | √ | √ |  | √ | 7 |
| Okonta, 2011 [[21](#_ENREF_21)] | √ | √ |  | √ | √ |  | √ | √ | √ | √ | 8 |
| Okoro, 2012 [[22](#_ENREF_22)] | √ | √ | √ | √ | √ |  |  |  |  | √ | 6 |
| Omo-Aghoja, 2008 [[23](#_ENREF_23)] | √ | √ |  | √ | √ |  | √ | √ | √ | √ | 8 |
| Onwujekwe, 2012 [[24](#_ENREF_24)] | √ | √ |  | √ | √ |  | √ | √ | √ | √ | 8 |
| Onwujekwe, 2013 [[25](#_ENREF_25)] | √ | √ |  | √ | √ |  |  |  |  | √ | 5 |
| PSI Cambodia, 2007 [[26](#_ENREF_26)] | √ | √ | √ | √ | √ |  |  |  |  | √ | 6 |
| Sam-Wobo, 2008 [[27](#_ENREF_27)] | √ | √ |  | √ | √ |  |  |  |  | √ | 5 |
| Sangare, 2011 [[28](#_ENREF_28)] | √ | √ | √ | √ | √ |  | √ | √ | √ | √ | 9 |
| Umar, 2011 [[29](#_ENREF_29)] |  | √ | √ | √ | √ |  |  |  |  | √ | 5 |
| Wylie, 2010 [[30](#_ENREF_30)] | √ | √ |  | √ | √ |  |  |  |  | √ | 5 |

|  |  |
| --- | --- |
| **Description of categories:** √ **indicates it was reported in the article** | |
| **Description of context** | Authors report an adequate description of setting (urban/rural), time of study and location |
| **Participants and sampling described** | Authors report sampling methods, details of participants and randomization is discussed |
| **Randomization used** | Authors report use of randomization in sampling technique |
| **Methods described** | Authors use appropriate methods to address aims of study, provide detailed research procedures, express expertise amongst the research team to conduct methods, or report training of facilitators |
| **Systematic data analysis described** | Authors provide a detailed procedure of analysis, with justification for the method of analysis |
| **Multivariate analysis used** | Authors report use of multivariate analysis to control for confounding |
| **Recall bias minimised** | Authors report using methods to reduce recall bias (e.g. use of hospital records etc. rather than memory) |
| **Social desirability bias minimised** | Authors report use of methods to reduce social desirability (e.g. stock checks, check HCF records, check storage of medicines, check for ITN) |
| **Measurement bias minimised** | Authors report on the role of researcher, the relationship of researcher to participants/context, adequate training of staff, use of standardized research tools, and the use of standardized measurements |
| **Findings discussed** | Authors report the findings/results in terms of their impact on further research, programming and policy |

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