Reviewer's report

Title: Use Of Who Adolescent Job Aid Algorithms By Health Workers For Reproductive Morbidities Among Rural Adolescent Girls In North India

Version: 2
Date: 5 September 2014

Reviewer: Venkatraman Chandra-Mouli

Reviewer's report:

Detailed comments on the paper:

Title:
Please consider saying that the study tested the feasibility and the validity of the algorithms.

Abstract:
Line 3: Please add the word on after the word including.
Line 3: Please add the word A before the word study.
Line 11: Please delete the word investigator.
Line 17: Please provide full forms of the acronyms PPV and NPV

Introduction:
Para 1:
Lines 2-4: Please provide an authoritative Indian reference.
Line 7: Please provide a reference.

Para 2:
Line 2: Please write the reference correctly.
Line 6: Please write the reference correctly.

Para 3:
Line 4: This reference is not correct. (It repeats reference 3).

Methods:
Para 1 (Study setting):
Line 3: Please add a space between 2011 and the word and.
Line 4: Please provide a reference for the statement that adolescents constitute 19% of the population.
Line 7: Please delete the word the before the phrase ‘all the 12’.

Last line: Reference 12 is not appropriate in this context.

Para 2 (Training):
Please add the word the before the word manual.
Line 4: Please add the word of before the word training, and the word them before the term local language.
Line 5: Please add the word the before the word training guide.
Para 3 (Pre and post training assessment):

Para 4 (Preparation and application of the algorithms):
Line 1: Please add the word the before the word WHO.
Line 6: The Job Aid is a proper noun. Please use upper case.
Second to last line: Please replace ‘one of the algorithm’ with ‘one of the algorithms’.
Para 5 (Field testing of the algorithms):
Line 3: Please replace the word hands-on with the phrase ‘them hands-on experience’.
Line 4: Please add the word the before the phrase hands-on
Line 4: Please replace the word convenient with the convenience.
Line 11: Please add the word the before the word algorithm.
Second to last line: Please add the word a before the acronym FGD.
Ethical issues:

Statistical analysis:
Line 1: Please add the word a before the word Stata.
Line 3: Please add the word a before the term non parametric.
Line 4: The Wilcoxon sign rank test is normally used for non-normal distributions. Please explain why you preferred it over other tests.
Line 5: Please add a phrase of explanation about the purpose of the Cohen’s Kappa test.
Results:
Para 1:

Para 2:
Line 2: Please say how many algorithms were applied on each of the 144 girls.
Line 4: White discharge is not a clinical classification. It is a symptom.
Para 3:

Para 4:
Discussion:

Para 1:
This para contains many different points and is not clear:
The first sentence says that training front line workers with this Job aid was feasible to do. The last sentence says that the trained health workers reported that the algorithms were not difficult to use. In the middle of the para many different points are made:
- Sensitivity rates are higher when the condition being diagnosed is highly prevalent.
- Improper application of the algorithm may lead to misdiagnosis.
- Using the algorithm correctly can facilitate diagnosis.
It needs to be revised making the following points:
- The main findings of the study.
- The author’s interpretation of the main findings of the study.
- How the findings relate to findings of other studies.

Para 2:
This para discusses making health services friendly and improving communication skills. There has been no discussion of this so far in the paper. Given this, this is not relevant here.

Para 3:
Line 1: Delete the word the.
Line 1: Add the phrase ‘showed that’ before the word felt.
Line 5: Adolescents did not use the tool (...adolescent community using this tool). Please revise this sentence.
Lines 7 and 8: Please revised and clarify the sentence: We feel that...their parents.

Para 4:
Last three lines: If you believe that one day was sufficient, it is not clear why you have included this statement here.

Para 5:
Line 3: I am not clear what you mean by the phrase ‘feasible technically by good agreement’.