Reviewer’s report

Title: A blind area of family planning services in China: unintended pregnancy among unmarried graduate students

Version: 1 Date: 9 May 2012

Reviewer: qiaoqin ma

Reviewer’s report:

Compulsory revision

1. The author should explain why the pregnancy experienced by these graduate students was unintended?

2. I believe that it is not appropriate using all participants surveyed as the denominator to describe the prevalence of unintended pregnancy because pregnancy should happen among sexually active students, therefore the denominator should be those participants who are already sexually active. Accordingly, the participant including analysis in this research should be sexually active students. Accordingly, the relevant part in text (including methods, results and discussion), table 1 and table 2 should be corrected.

3. Table 3, item for “whether use of condom at first sexual intercourse”, the reference indicator for male and female is not consistent, but so it is in table 4?

4. Table 4, the reference for item of disposable income per month should be <400 (Yuan).

5. In the discussion, “we found that students having sex at younger age were more likely to report a history of unintended pregnancy in both genders. Because younger students lack awareness of the risks of pregnancy, they use contraception less often.” I think the later sentence used to explain the reason should cite some previous literature to make it sound.

6. In conclusion of the discussion, to delay the age of first sex and promote condom use at first sex among target population should be added in this part.

Minor revision

1. In the “study setting and participants” of “Materials and methods”, I could understand the meaning of “master candidates” and “doctor candidates”?

2. In the “ethical issue” of “Materials and methods”, the author should detail how the privacy was fully considered.

3. In the “questionnaire survey and data collection” of “Materials and methods”, the author should explain purpose of all answer sheets were tagged by arbitrary codes.

4. To be concise, the results of multivariate analysis for male and female could be put together as these results for both genders are similar.
5. Reference 1, year for publishing of the paper cited should be added.

Discretionary Revisions
1. Denominator and numerator may not be shown in the text.
2. in the discussion, possible reason for abortion may include the sexual relationship is not stable for graduate students which were confirmed in this research.
3. I am not very clear why the author put Engel’s coefficients in the text of discussion.
4. In the last paragraph, the saying for generalization of the finding may be a bit modest.

**Level of interest:** An article whose findings are important to those with closely related research interests

**Quality of written English:** Acceptable

**Statistical review:** No, the manuscript does not need to be seen by a statistician.

**Declaration of competing interests:**

I declare that I have no competing interests with this manuscript.