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Structural equation model analysis of HIV/AIDS knowledge, attitude and sex education among freshmen in Jiangsu, China

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Research Topic: An Insight into University Medical and Health Science Courses
Keywords: Acquired immunodeficiency syndrome (AIDS), Human immunodeficiency viruses (HIV), structural equation ...

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NO ACTION IS REQUIRED FROM YOU

This manuscript has been accepted for publication.

History

Editor Active

Me Finalized

Reviewer 2 Finalized



Reviewer 1: Linda Suwarni
Independent review report submitted: 20 Mar 2022
Interactive review activated: 20 Mar 2022
Review finalized: 26 Mar 2022

Recommendation for the Editor: Revision is required

EVALUATION

Q 1 Please list your revision requests for the authors and provide your detailed comments, including highlighting limitations and strengths of the study and evaluating the validity of the methods, results, and data interpretation. If you have additional comments based on Q2 and Q3 you can add them as well.

Reviewer 1: Linda Suwarni | 20 Mar 2022 | 05:14 #1

Thank you for asking me to review the paper: "Structural equation model analysis of HIV/AIDS knowledge, attitude and sex education among freshmen in Jiangsu, China".

It is necessary to describe closely related previous studies and to describe certain gaps in our knowledge or understanding of certain phenomena. Also, point out gaps or shortcomings from similar studies to highlight ways in which your study improved on this previous job. The novelty or originality of this study remains unclear. Researchers need to clearly explain the difference between this study and the previous one. The results need to be discussed in detail so that conclusions and suggestions based on this research can be presented operationally. The weakness of this study is that it does not differentiate the education of students at the high school level, regional origin (urban and rural), sexual orientation of the respondents so as to allow bias in the results. In addition, this study does not discuss any HIV AIDS prevention programs that have been carried out by the government, and their weaknesses so that the connection with this research is clear.

Corresponding Author: Wei Li | 24 Mar 2022 | 15:13 #2

Reviewer 1

Thank you for asking me to review the paper: "Structural equation model analysis of HIV/AIDS knowledge, attitude and sex education among freshmen in Jiangsu, China".

Response: Thank you very much for your recognition of our findings. We had shortcomings in the first draft, and we have carefully studied your comments and made detailed modifications. We hope this manuscript might have a chance to be reviewed again.

1. It is necessary to describe closely related previous studies and to describe certain gaps in our knowledge or understanding of certain phenomena. Also, point out gaps or shortcomings from similar studies to highlight ways in which your study improved on this previous job.

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practice among university students, previous studies on students' HIV/AIDS knowledge, attitudes and behaviors among undergraduates university and college students, few studies have conducted HIV/AIDS-related KAP survey among freshmen”.

2. The novelty or originality of this study remains unclear. Researchers need to clearly explain the difference between this study and the previous one.

Response: thank you for your comment, we have added the novelty of this study in the introduction section from lines 97 to 100: “we also analyzed factors affecting the overall awareness rate of knowledge about HIV/AIDS and explore the relationship between sex knowledge, attitudes and education. To our knowledge, this is the first study in a province-wide survey of a large sample”.

3. The results need to be discussed in detail so that conclusions and suggestions based on this research can be presented operationally.

Response: thank you for your good suggestion, we have added detailed discussion of the results in the discussion section from lines 256 to 262: “In the current study, the awareness rate of AIDS did not differ by gender, schools, whether they are or not only child, parent education level, family monthly income, and residence style, this finding conflicts with some earlier researches. Future studies may wish to assess a wider range of influence factors to better understand which affects the awareness rate of AIDS. Previous studies have found positive correlations between HIV attitude and behavior. However, in current study”

From lines 274 to 278: “These findings are supported by previous studies, this may be because of the openness of males’ sexual viewpoints. HIV education services in Chinese colleges and universities should be designed and provided comprehensively taking into consideration the needs of male undergraduates.”

From lines 317 to 321: “Many pieces of national policy of school-based health education programs on HIV/AIDS have been advocated for a long time in China. HIV/AIDS education was found effective in promoting positive behavior change related to HIV/AIDS prevention, while policy’s ability to structure implementation was at a moderate level.”

4. The weakness of this study is that it does not differentiate the education of students at the high school level, regional origin (urban and rural), sexual orientation of the respondents so as to allow bias in the results.

Response: thank you for your good comment, We listed this problem in the limitation section: “Thirdly, we did not investigate the education level of students in high school, but we believe that the region of students can reflect the education level of their high school, southern Jiangsu, central Jiangsu, and northern Jiangsu represents three levels of education high, medium, and low, respectively. Lastly, we did not investigate the regional origin (urban and rural), sexual orientation of the respondents, the bias may occur in the results”.

5. In addition, this study does not discuss any HIV AIDS prevention programs that have been carried out by the government, and their weaknesses so that the connection with this research is clear.

Response: thank you for your suggestion, we have added HIV/AIDS prevention programs that have been carried out in China in the discussion section from lines 317 to 321: “Many pieces of national policy of school-based health education programs on HIV/AIDS have been advocated for a long time in China. HIV/AIDS education was found effective in promoting positive behavior change related to HIV/AIDS prevention, while policy’s ability to structure implementation was at a moderate level”.

[Review supporting file - 276941](#)

Q 2 Check List

Reviewer 1: Linda Suwarni | 20 Mar 2022 | 05:14

#1

a. Is the quality of the figures and tables satisfactory?
- Yes

b. Does the reference list cover the relevant literature adequately and in an unbiased manner?
- Yes

c. Are the statistical methods valid and correctly applied? (e.g. sample size, choice of test)
- Yes

d. Is a statistician required to evaluate this study?
- Yes



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Corresponding Author: Wei Li | 24 Mar 2022 | 15:44 #2
no response

QUALITY ASSESSMENT

| | | | | | | |
|------------|--------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|
| Q 3 | Rigor | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Q 4 | Quality of the writing | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Q 5 | Overall quality of the content | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Q 6 | Interest to a general audience | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

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