

## Peer Review Report

# Review Report on Determinants of Residential Satisfaction During the Initial Stage of the COVID-19 Pandemic: The Case of Xiangyang City, China

Original Article, Int J Public Health

Reviewer: Jean Tenena Coulibaly

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### EVALUATION

#### **Q 1** Please summarize the main findings of the study.

The current manuscript was assessing the determinants of residential satisfaction in the early context of the COVID-19 Pandemic in Xiangyang City in China. They found significant impact the character strengths and the number of confirmed COVID-19 cases on the residential satisfaction. While, social trust and shared value were influencing positively the residential satisfaction more than the character strengths at the initial stage of the COVID-19 outbreak. In addition, marriage, age, educational attainment, and housing area per capita were also found to have a significant impact on residential satisfaction. They conclude that, the study findings offer insights for their local governments to enhance residential satisfaction in the community under particular conditions.

#### **Q 2** Please highlight the limitations and strengths.

##### Limitations

= A cohort study would have had strong findings than Cross sectional. Why did the authors prefer cross sectional study than cohort study?

##### Strengths

= The other limitations have been discussed.

#### **Q 3** Please provide your detailed review report to the authors. The editors prefer to receive your review structured in major and minor comments. Please consider in your review the methods (statistical methods valid and correctly applied (e.g. sample size, choice of test), is the study replicable based on the method description?), results, data interpretation and references. If there are any objective errors, or if the conclusions are not supported, you should detail your concerns.

##### General comment

= What the rational of "Literature review" beside the introduction? There is a structure of original article as requested by IJPH, please could you follow.

= Hypothesis could be summarize into one sentence and inserted in the introduction as follow: "We assume that residential satisfaction is positively related to character strengths and psychological self-efficacy and negatively correlated with the number of confirmed cases of COVID-19 in a given community."

= Remove this L63 - L163

= Sample size calculation

##### Abstract

= Write "To achieve the study aim, we collected data from 281...." instead of "To achieve this aim, this study collected 281"

= What do you mean by "valid observations" since the data collection was online?

##### Methods

= L188: For readers I will prefer "Variable of interest" instead of "Dependent variable"

- = L198: For readers I will prefer "Explanatory Variable" instead of "independent variable"
- = L209: Write "Peterson and Seligman" instead of "Peterson, C. and M. E. P. Seligman"
- = L216: write "Casali and colleagues" instead of "Casali, N., T. Feraco, M. Ghisi and C. Meneghetti"
- = L218: write "Duan and colleagues" instead of "Duan, W., Y. Bai, X. Tang, P. Y. Siu, R. K. Chan and S. M. Ho"
- L237: write "Data analysis" instead "Analysis process"
- L238: "First, this study conducted a descriptive ... statistical analysis that summarized the category variables and continuous variables." Which descriptive statistics have been used. If it is obvious for categorical variables that proportions have been used to summarize what has been used for the later, median?, mean ? interquartiles?
- = L240 : "linear regression analysis was conducted, starting with the reliability and validity tests" The primary outcome "residential satisfaction" with five categories. It is not clear how the linear regression has been applied? Is it on the summarized data?
- = L243: "for each unobserved variable" What do you mean by "unobserved variable"?

Results

- = L248: write "Study population characteristics" instead of "5.1 Descriptive Statistical Analysis"
- = L249: why "Approximately" Do we have an approximate respondent?
- = L249: write "Overall, 47.7% [xxx/281] of the respondents were male and 52.3% [xxx/281] were female."
- = L252 - L255: "Since the data were collected through the Internet ..... elderly people are less adept regarding smartphone or Internet use." This part should belong to the discussion
- = L300 - L401 : Interpretation is not acceptable in results and should belong to the discussion. Please, all these parts by keeping only results and including the interpretation in the discussion.
- = We do not have access to the table to assess them. However, the authors should trust to follow the guideline of the journal.

PLEASE COMMENT

**Q 4** Is the title appropriate, concise, attractive?

YES

**Q 5** Are the keywords appropriate?

YES

**Q 6** Is the English language of sufficient quality?

YES

**Q 7** Is the quality of the figures and tables satisfactory?

Yes.

**Q 8** Does the reference list cover the relevant literature adequately and in an unbiased manner?)

YES

QUALITY ASSESSMENT

**Q 9** Originality



**Q 10** Rigor



**Q 11** Significance to the field

**Q 12** Interest to a general audience

**Q 13** Quality of the writing

**Q 14** Overall scientific quality of the study

**REVISION LEVEL**

**Q 15** Please make a recommendation based on your comments:

Major revisions.