

## Peer Review Report

# Review Report on The Covid-19 pandemic and maternal mental health: A longitudinal study of Chilean and foreign-born mothers

Original Article, Int J Public Health

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Submitted on: 01 Apr 2022

Article DOI: 10.3389/ijph.2022.1604724

### EVALUATION

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

The objective was to study the effects of the pandemic on depression, stress, and parenting practices of mothers with children aged between 24- and 30-months. Also to compare the effects between foreign-born and native-born mothers.

The two data points were two longitudinal surveys per and post COVID period.

In native-born mothers, there was an increase of 0.17 on average on the depression scale.

foreign-born mothers this increase was more (0.27).

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

strengths: Longitudinal data gives a better insight into the problem. The sample size is good.

Limitation; Representation of data and analysis.

#### **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.

The methodology needs a better presentation, The heading in the article as "Data and Methods" may be presented as Methods where data may be as a subheading. Data elaborating the collection and analysis part. The methodology part should explain the sample size and subject selection criterion clearly.

A flow diagram may be added to give readers a better understanding "when" the data were collected and what comparisons were made with respect to time and person.

Rewrite Results:

Table 1 (210–218) also mention the statistical test carried out to measure the difference between the depression scale.

Table 2: Descriptive statistics

all the variables except Years of schooling and Age are categorical, so the presentation in the form of Mean and SD is incorrect. Instead, this categorical data must be presented in the form of frequency distribution/crosstab.

Table 3,4, and 5 : Linear regression modelling is done. To administer a liner regression model all the variables used in the modelling must be in the normal distribution. To make the distribution of categorical variables normal dummy variables are created. The researcher may go for logistic regression then interpret the results in the form of ODDS RATIOS or RR.

### PLEASE COMMENT

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

Yes

**Q 5** Are the keywords appropriate?

Yes

Transients or Migrants may be added

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

Yes

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

No.

**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.