

## Peer Review Report

# Review Report on Case fatality rate and characteristics of populations in relation to COVID-19 in Ecuador, 2020

Original Article, Int J Public Health

Reviewer: Andrea Gómez

Submitted on: 04 May 2022

Article DOI: 10.3389/ijph.2022.1604768

### EVALUATION

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

No answer given.

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

Strengths

It contributes to the scientific evidence of what happened during the pandemic, year 2020, in Ecuador. It shows the distribution on social, demographic factors.

Limitations

As the authors mention, the low diagnostic capacity in Ecuador is a limitation to have information that allows an approach to the real estimation of the CFR.

**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.

Minor comments

- Where are the analyzed public data available? The citation is missing.
- State whether or not the study protocol required review by a bioethics committee.

Major comments

- The aim is focused on CFR analysis, but not on HR estimation. What is the aim of analyzing HR?
- Survival analysis is added, but the discussion is not deepened.

### PLEASE COMMENT

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

Yes

**Q 5** Are the keywords appropriate?

Change socio-demographic factors.

**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:

Minor revisions.