

# Review of: "COVID-19 Vaccine Effectiveness Against Long-COVID-19 Condition in Pakistan"

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Potential competing interests: No potential competing interests to declare.

The research work you've conducted is of high quality and has the potential to be published. However, there is a significant issue with the alignment between the study's objective and its title, which needs to be addressed for clarity and precision. The main objective of your study is to assess Long COVID-19 and the factors associated with it. This is a critical and timely area of research, given the ongoing impact of the pandemic. However, the current title of your manuscript suggests that the focus is on assessing the effect of COVID-19 vaccination on Long COVID-19. While this is an important aspect, it is not entirely consistent with the broader aim of examining Long COVID-19 and its associated factors. To avoid any potential confusion and to ensure that the title accurately reflects the study's content, it is recommended to revise the title to better align with the primary objective. A more suitable title would be "Long COVID-19 and Associated Factors in Pakistan." This revised title clearly indicates the focus on Long COVID-19 and the various factors that may influence its development and progression, which aligns with the overall aim of your research. By making this adjustment, you will enhance the clarity of your manuscript, ensuring that potential readers and reviewers have a precise understanding of the study's scope and focus from the outset.

**Inclusion and Exclusion Criteria** Long COVID-19 Symptoms: There are over 200 recognized symptoms associated with Long COVID-19. Please specify which symptoms were included in your study and how they were selected. Exclusion Criteria: Clearly outline the criteria used to exclude participants from the study. What specific conditions, characteristics, or circumstances led to the exclusion of certain individuals?

**Source and Study Population** Source Population: Provide a detailed description of the source population. Where did the participants come from, and what are the characteristics of the population from which your study sample was drawn? Study Population: Elaborate on the study population by explaining how it was selected from the source population. What specific criteria were used to define this group?

**Sampling** Sampling Procedure: Clearly describe the sampling method used in your study. How were participants selected, and what steps were taken to ensure that the sample was representative of the target population?

**Data Analysis** Software Used: Specify the software used for data analysis. Was it SPSS, STATA, R, or another program? Providing this detail will help readers understand the analytical tools you used.

**Bi-Variable and Multi-Variable Analysis:** Provide a clear explanation of the bi-variable and multi-variable analyses conducted. What variables were included in these analyses, and what methods were used to assess their relationships?

**Results** Absolute Numbers: For each percentage reported in your results, kindly include the corresponding absolute number of cases. This will provide readers with a clearer understanding of the data.

**Confidence Intervals and p-Values:** Ensure that all reported p-values are accompanied by their corresponding confidence intervals. This will help readers assess the statistical significance and precision of your findings.

**Age Classification:** Explain the rationale behind the classification of age categories in your study. What criteria were used to define these categories, and why were they



chosen?