

Review of: "Perceptions and Attitudes about COVID-19 Vaccines Regarding Vaccine Intention and Hesitancy of Attendants of a Healthcare Center in Northern Cyprus"

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Potential competing interests: No potential competing interests to declare.

The topic of the paper is very interesting and important. However, this paper still needs a lot of work before it can be published. The literature review, the analysis and the discussion still needs a lot of work. See comments.

The paper needs better editing in English. For example, "with more one more doses" in the abstract.

The abstract should include the when the data were collected.

The introduction includes data regarding vaccination rate in different countries for 2022. The vaccination rate for Cyprus is from 2021. This makes the comparison irrelevant.

The author needs to add a section regarding the study limitations. The main one is that the data were collected in a single health care facility.

Literature review regarding vaccine hesitancy in general and regarding COVID-19 vaccine is very limited. Which model was used to analyze the vaccine hesitancy. There are several known models for example the HBM model. There is no information if several questions were grouped together and if so, what was their alpha Cronbach. Generally the respondents are asked several questions that test their perception about, for example concerns about safety, and then those questions are grouped together. It seems that this was not performed in this study.

The discussion includes a lot of information that should be included in the literature review instead.

Table 2 represents the distribution of chronic diseases. Why is this information important?

There is no analysis of Table 4 and discussion regarding the significant variables. The discussion below table 3 is about data that is not included in the tables.

This research includes only descriptive statistics and chi square tests and there is no use of any regression analysis. It could be interesting to use a logistic regression with being vaccinated as a dependent variable and the demographic data and vaccine hesitancy as explanatory variables.

The discussion includes the paragraph "Higher vaccine acceptance was associated with socio-demographic factors such as high income, male gender, older age, being married, having older children with vaccine coverage, not having any

chronic illnesses, higher education and health insurance coverage. Suspicion about safety/potential vaccine harms, efficacy, rushed development of vaccines, and cost[1]effectiveness of the COVID-19 vaccine were among the main predictors of both vaccine acceptance and vaccine hesitancy [21] , similar to our study. Variables such as trust in authorities, risk perception of COVID-19 infection, vaccine efficacy, current or previous influenza vaccination, and vaccine safety affected vaccine acceptance positively “ This paragraph compared the results of this study to previous research. However, based on the reported results this research did not test the effect of different variables on vaccine hesitancy.

What is the purpose of the paragraph regarding the source of information in the summery? It should be better connected with the following paragraphs and lead to empirical implications.

There is an attempt to connect the results of this study with results of previous studies, but the discussion is weak.