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🌐 Multi-dimensional potential factors influencing COVID-19 vaccine booster acceptance and hesitancy among university academic community in Bangladesh: a cross-sectional comparative study

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We use this protocol and it's working

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Keywords: questionnaire, influencing vbd acceptance, student community in bangladesh, academic community in bangladesh, hesitancy among university, hesitancy among university teacher, acceptance, public perception, study method, online survey tool, vbd acceptance, primer vaccine dosage, study analysis, assumptions of binary logistic analysis, statistical package, student

Abstract

Despite the potential therapeutic benefits of primer vaccine dosage regimens, public perceptions of COVID-19 vaccine booster dose (VBD) acceptance and hesitancy vary among various sub-group populations. This study method designed to investigate COVID-19 vaccine booster dose acceptance and compares the multi-dimensional potential factors influencing VBD acceptance and hesitancy among university teachers and the student community in Bangladesh. This cross-sectional comparative study used a self-administered, anonymous, and validated multi-item questionnaire to rationalize the study's outlined objectives. The questionnaire was deployed online using an online survey tool (Google forms) and conveniently sent to teachers and students in different public and private universities between 15th June, 2022 and 15th August, 2022 using electronic collection methods (social media platform and emails) and following the STROBE guideline. A non-parametric data analytical tool called binary logistic regression was employed to explore the pattern of association between explanatory variables and the response variable. All the key assumptions related to binary regression analysis were examined to adjust the model suitability. Assumptions of binary logistic analysis were tested. Raw data were inserted into Microsoft Excel version 10 and imported to Statistical Package for the Social Science (SPSS) software. IBM-SPSS version 25 (RRID: SCR_016479) was used for analyzing the data. In this study analysis, $p < 0.05$ was considered statistically significant.



1