

Assessment of the knowledge, attitude, practice, and concern of middle and south Iraqi population toward different types of COVID-19 vaccines

Doaa Qasim (1), Dr. Maitham Ali AL-Rikabi(2), Dr. Alhasan M AlMudhaffer (3)

The University of Basrah, College of Pharmacy, Basra, Iraq.

PhD Clinical Pharmacy, college of pharmacy, Basrah University, Basrah, Iraq.

PhD Clinical Pharmacy, at AL-Fayhaa General Hospital, Basrah, Iraq.

Central Contact Backup: Doaa Qasim, MSC.

Telephones: 009647808071603

E-mail: phpg.doaa.qasim@uobasrah.edu.iq

doaaqasim2014@gmail.com

Abstract

Background:

The COVID-19 vaccines represented one of the ways to protect human life. The study aimed to evaluate the Knowledge, attitude, practice and concern toward different types of COVID-19 vaccines.

Methods: The Cross-Section Study was conducted between January to July 2022 in the middle and South of Iraq. It utilized a pre-validated questionnaire conducted in two ways in the middle and South of Iraq.

Results: 1979 participants were enrolled in the study analysis. More than half of the participants (55%) were female, and (45%) were male, with (52.9%) of the participants married. Most of the participants were from Basra city (82.9%). More than two-thirds of the participants (81.8%) accepted COVID-19 vaccines. The finding was a significant relationship between acceptance of the COVID-19 vaccine and numerous characteristics of participants, including education level, members of medical staff, income level, places of living, and marital status, with a P value less than 0.05.

Most of the vaccinated participants had good Knowledge, attitude and practice than unvaccinated participants, where the value expressed as (mean + standard deviation (S.D.)) (10+4 versus 7+3)(14+4 versus 10+3)(37+7 versus 32+7) respectively for Knowledge, attitude and practice. But, the unvaccinated participants had higher concern toward different types of COVID-19 vaccines (19+5).

Conclusion: The percentage of participants who received COVID-19 vaccines was higher than those who were rejected or hesitant toward different covid19 vaccines.