

Knowledge, Attitude, & Practice among Dubai Health Authority Healthcare Workers towards COVID-19 Vaccine



Dr. Khawla Eissa Al Hajaj
Consultant Family physician
Primary Healthcare Sector, DAHC

Authors

Khawla Eissa. Alhajaj^a, Immanuel Azaad Moonesar^{b, c*}, Shatha M. Al Suwaidi^a, Kulaithem Saif. Al Mazrouei^a, Hamidah Saleh Al Shaibany^a, Afra Ahmad Alshafar^a

Introduction

Vaccine attitude can change disease progress, facilitate herd immunity among the community, and stop disease progression. There is no current curative treatment against the virus according to the available data. The only way to stop the spread of infection is to develop and accelerate the vaccine.

Objective

The study's primary goal is to investigate healthcare workers' knowledge, attitude, and practice toward the COVID-19 vaccine in Dubai Health Authority, United Arab Emirates.

Methodology

Anonymous cross-sectional comparative study done in April 2021 to measure the willingness and hesitancy in taking COVID-19 vaccine among healthcare providers in Primary Health Care Sector at Dubai Health Authority (DHA).

Results

91.6% of Healthcare providers agreed on the significance of COVID-19 vaccine preventing the transmission of illness.

95.6% of Healthcare providers agreed on the importance of COVID-19 vaccine for the public and community.

92.7% of Healthcare providers' agreed to promote COVID-19 vaccination to patients, family, and friends.

Conclusion

COVID-19 vaccine was widely accepted by Dubai's healthcare providers. Several factors were identified as significant determinants of vaccine acceptance. UAE healthcare authorities can use the study's findings to develop public health policies and implement campaigns to address concerns about the COVID-19 vaccine and other emerging infectious diseases.

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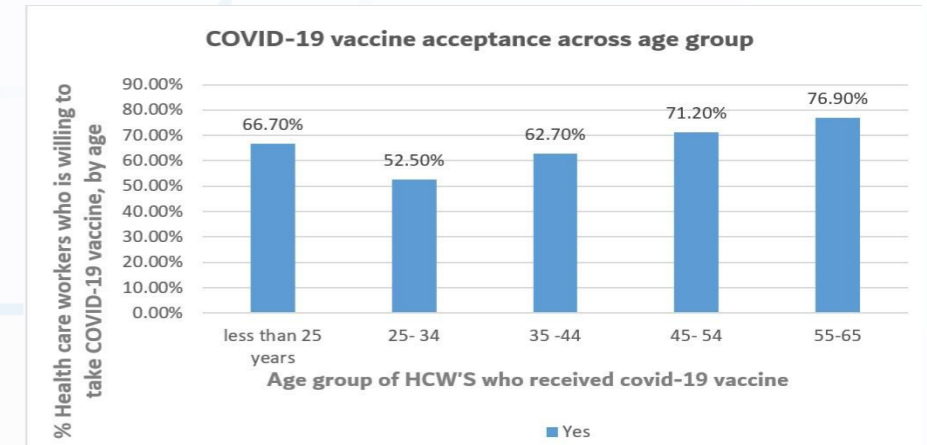
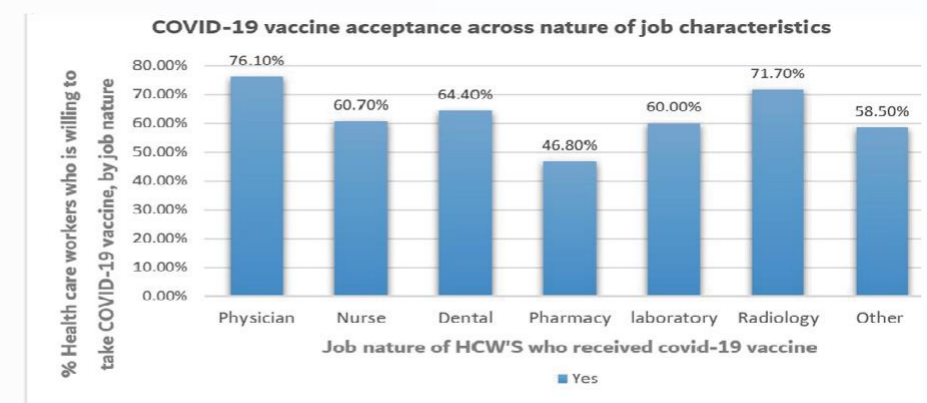
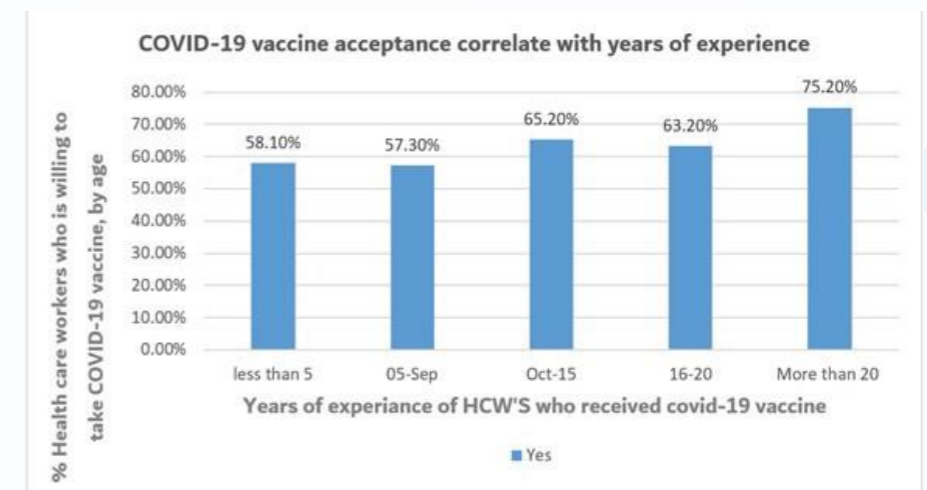


Figure 1: COVID-19 vaccine acceptance among HCW'S in Dubai, in relationship to age group.



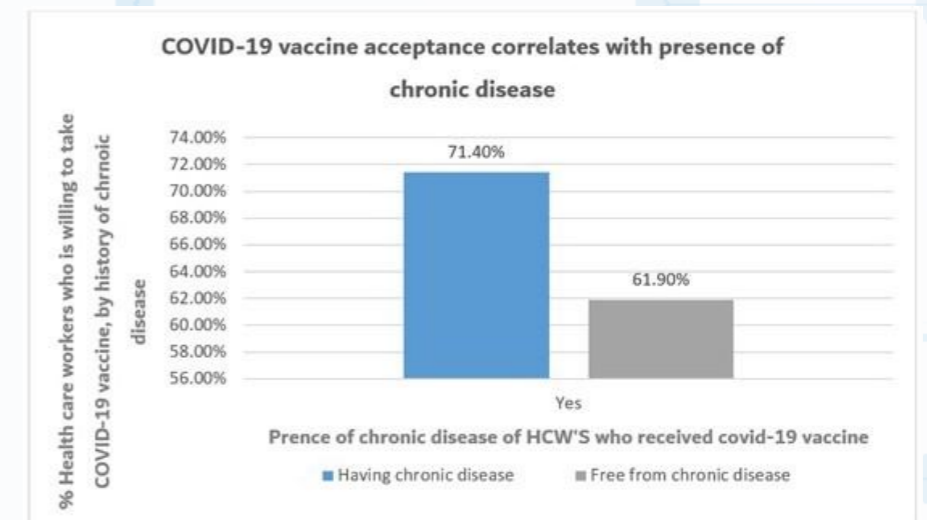
(Chi-Square = 17.721a and a two-tailed P value = 0.007).

Figure 2: COVID-19 vaccine acceptance across nature of job characteristics, for health care workers in Dubai, 2021



(Chi-Square = 10.846a and a two-tailed P value = 0.028)

Figure 3: COVID-19 vaccine acceptance correlate with years of experience, for health care workers in Dubai, 2021



(Chi-Square = 4.275a and a two-tailed P value = 0.039).

Figure 4: COVID-19 vaccine acceptance correlates with presence of chronic disease, among health care workers in Dubai, 2021.

Reasons for COVID-19 vaccine refusal among primary health care workers in Dubai

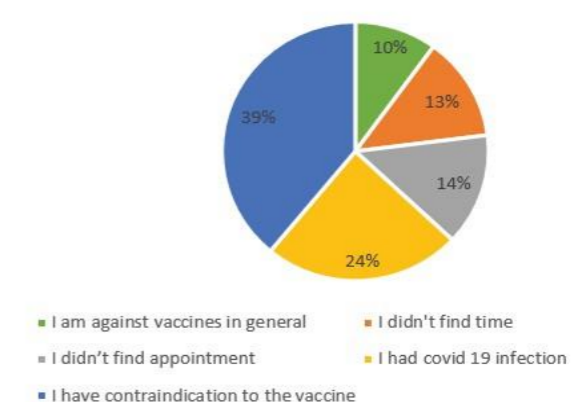


Figure 5: COVID-19 vaccine acceptance correlate with years of experience, for health care workers in Dubai, 2021