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Factors influencing compliance to the Novel Coronavirus (COVID-19) Infection Control Precautions among Healthcare Professionals in Jordan

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Introduction: Hospital infection with COVID-19 is threatening the health and safety of healthcare professionals (HCPs) in Jordan and worldwide.

Purpose: The study aims to investigate the knowledge, attitudes, and practices of healthcare professionals towards coronavirus infectious disease 2019. In addition, to assess the factors influencing compliance of HCPs with infection control precautions (ICPs) towards COVID-19.

Methods: A descriptive correlational design was used to investigate factors influencing compliance to the novel coronavirus (COVID-19) infection control precautions. A Web-based survey instrument to obtain responses from convenient sample of healthcare professionals who are Jordanian nationality during the month of January 2021.

Results: A total of 2147 healthcare professionals participated in this study, of which 1527 completed the study questionnaire. The results revealed that there was positive correlations between Healthcare professionals' compliance toward COVID-19 infection control precaution and knowledge, perception, age, and years of experience. In addition, a multivariate analysis model proved that the age, knowledge, and perception accounted for significant predictors of the compliance towards COVID-19 ICPs.

Conclusion: Healthcare professionals demonstrated a high level of compliance with infection control precautions that minimizes the risk of COVID-19.

Keywords: Standard Precaution; COVID-19; Healthcare Professionals; Compliance; Jordan

Biography

Mahmoud Al-Hussami, a professor of epidemiology and leadership at the University of Jordan, School of Nursing. His teaching has a wide range of undergraduate and graduate modules in the school of nursing and school of medicine. His research includes leadership in healthcare and infectious disease epidemiology. He published over 52 research articles in distinguished and prestigious journals. Al-Hussami has been awarded his PhD (2007) from Barry University, for his research in leadership. Also, he received his DSc. in Health Science, specialized in Epidemiology, from Nova Southeastern University in 2005 and MPH in Epidemiology from Florida International University.

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