

## Assessment of Knowledge, Attitude and Practice of Health Staff Toward Infection Control in Teaching Hospitals in Erbil City in Iraq

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### ABSTRACT

**Background:** The objective of this study is to assess the knowledge, attitude, and practice of health staff in a teaching hospital in Erbil city in Iraq.

**Methods:** This cross-sectional study was carried out from 1st June 2021 through 31st December 2021, involving 1200 participants of health staff.

**Results:** A total of 1200 participants were included in the study. 631 (52.6%) were females (72.4%) was married, (51.9%) Physician, and (48.1%) nurses, the majority of health staff qualifications was having Bachelor's (40.1%), 934 (77.8%) of participants had been vaccinated against hepatitis B, 771 (64.3%) had a history of vaccination against covid 19 infection, half (57%) of participants had Medium knowledge about infection control while 38.8% had Good knowledge and 4.3% had poor knowledge. (78.3%) had a medium attitude about infection control while 20% had a poor attitude and 1.7% had a good attitude. More than half of the study participants (69.2%) had good practice in infection control while 26.9% had medium practice and 3.9% had poor practice. There was a significant statistical association between Knowledge level among health staff and their attitude level (P value < 0.001). A statistically significant variation between knowledge level and practice level (P value < 0.001). A statistically significant variation between attitude level and their practice level (P value < 0.001).

**Conclusion:** Results of our study showed (that 57%) of participants had Medium knowledge, (78.3%) had medium attitude, (and 69.2%) had a good practice, a significant statistical association between Knowledge level and their attitude level, and a significant variation between knowledge level and their practice level, a statistically significant variation between attitude level among health staffs and their practice level (P value < 0.001).

**Keywords:** Infection control, Knowledge, Attitude and Practice, Health staff, Erbil City

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