

Determinants of Hand Hygiene Compliance Among Nurses

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Abstract

Nurses have the most interaction or exposure with different patients, making them susceptible to carrying pathogens to their patients, thus nurse's hand hygiene compliance should be imperative.

This study aimed to determine the relationship of the environmental, personal, and organizational factors to the hand hygiene compliance of nurses. It will explore common practices of hand hygiene, the compliance of nurses to the WHO 5 Moments of hand hygiene, and also the possible significant difference on the compliance level of nurses to hand hygiene based on length of service and area of duty. Descriptive Correlational research design was utilized and convenience sampling was the sampling method used. There were 105 nurse respondents who answered the revised questionnaire used from previous researches adapted from the WHO guided by the "5 Moments of Hand Hygiene" and all were retrieved.

Based on the results of the study, the researchers accept the null hypotheses since the study shows no significant relationship between the following factors: Environmental (p -value= 0.87), Personal (p -value= 0.96) and Organizational factors (p -value= 0.33) to the nurses' level of hand hygiene compliance. Furthermore, there was no significant difference when the respondents were grouped according to their length of service ($\text{sig.}0.56$) and their area of duty ($\text{sig.} 0.511$). Our study showed that Moment 2 (Before clean technique) and Moment 5 (after touching patient's surroundings) gained the highest compliance.

The nurses, nursing students and other health care providers can use this knowledge to improve themselves concerning their lack of adherence to the protocol concerning hand hygiene.

Keywords: *hand hygiene, compliance, nurses, World Health Organization, 5 moments of hand hygiene, environmental factors, organizational factors, personal factors*

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