

**KNOWLEDGE, FACILITIES, AND THEIR ASSOCIATIONS  
WITH NURSE ADHERENCE TO HAND HYGIENE  
AT SUBULUSSALAM HOSPITAL, ACEH**

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**ABSTRACT**

**Background:** Nosocomial infections are the main problems rising morbidity and mortality in health care settings. Effective hand hygiene practices in hospitals plays a key role in improving patient and provider safety. Hand hygiene is the most effective method for preventing these infections. This study aimed to analyze the associations of knowledge and hospital facilities with adherence to hand hygiene among nurses at Subulussalam Hospital, Aceh.

**Subjects and Methods:** This was a cross sectional study conducted at Subulussalam Hospital, Aceh. A sample of 64 nurses were selected for this study by exhaustive sampling. The dependent variable was adherence to hand hygiene. The independent variables were knowledge and hospital facilities. The data were collected by questionnaire and analyzed by a multiple logistic regression.

**Results:** Nurses adherence to hand hygiene was associated with better knowledge (OR= 1.80; 95% CI= 1.55 to 3.01; p= 0.033) and facilities (OR= 2.10; 95% CI= 1.40 to 4.77; p= 0.049).

**Conclusion:** Nurses adherence to hand hygiene is associated with knowledge and facilities.

**Keywords:** knowledge, facilities, hand hygiene

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