



We assessed the current status of knowledge, perception, attitude, and role model regarding hand hygiene (HH) among infection control nurses (ICNs) and identified the factors influencing these variables” Oh (2018).

Abstract:

Background: We assessed the current status of knowledge, perception, attitude, and role model regarding hand hygiene (HH) among infection control nurses (ICNs) and identified the factors influencing these variables.

Methods: A structured questionnaire was adapted from a World Health Organization survey. Data were collected from November 8, 2017, to February 2, 2018.

Results: ICNs showed the following scores (mean  $\pm$  SD): knowledge ( $19.5 \pm 2.3$ ), perception ( $69.9 \pm 8.9$ ), attitude ( $46.9 \pm 5.8$ ), and role model ( $39.2 \pm 6.0$ ). HH performance of health care workers (HCWs) was  $75.2 \pm 15.5$ . Mean HH performance scores of HCWs ( $P = .007$ ) differed significantly according to infection control experience (3 groups:  $\leq 12$  months, 13-24 months,  $> 24$  months). Perception, attitude, and role model scores showed positive correlations with each other ( $P < .01$ ). The regression model for HH performance of HCWs was calculated as follows:  $Y1 = 31.638 + 0.067X1$  (perception of ICNs) +  $0.133X2$  (attitude of ICNs) +  $0.825X3$  (role model of ICNs) ( $P < .001$ ; adjusted  $R^2 = 0.115$ ). Discussion: Perception, attitude, and role model scores of ICNs were significant predictors of HH performance of

HCWs. Conclusions: Specialized well-structured HH education programs should be developed for ICNs that will help improve HH performance of HCWs.

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### Reference:

Oh, H.S. (2018) Knowledge, perception, performance, and attitude regarding hand hygiene and related factors among infection control nurses in South Korea: A cross-sectional study. American Journal of Infection Control. November 8th. .

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