

Abstract

Original Article

Assessment of Knowledge about Standard Precautions and Nosocomial Infection among Nurses Working in Hospitals of Sana'a City, Yemen

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Abstract

Background: Nosocomial infection in healthcare facilities is a major public health problem in most developing countries like Yemen. Nurses as a part of medical staff can play a significant role in prevention and control of nosocomial infection. Thus, it is important to identify the level of their knowledge, and identifying gaps for better intervention.

Objective: This study aims to assess the knowledge of standard precautions and nosocomial infection among nurses working in the governmental and private hospitals in Sana'a city, Yemen.

Methodology: A cross-sectional study was conducted among 196 nurses in governmental and private hospitals of Sana'a city, Yemen. A structured self-administered questionnaire was used. A scoring system used to assess the knowledge, zero scores was given for the wrong answer and one score was given for the correct answer. Data was analyzed using SPSS version 20 and the associations were tested with chi-square, with a p-value of < 0.05.

Results: The majority of the respondents (63.3%) were < 30 year-old, (64.8%) were males, 43.4% of them have > 5 years' experience, 61.7% of them have a diploma degree, and 53.1% work in private hospitals. The participating knowledge about standard precautions and nosocomial infection was average, below average, good, very good, and excellent (33.2%, 30.6%, and 22.4%, 12.2%, and 1.2%) respectively. The participating knowledge was insignificant associated with (a type of hospital, respondents gender, age group, years of experience, educational level, and working area) ($P < 0.05$).

Conclusion: A majority of the respondents have poor knowledge regarding to standard precautions and nosocomial infections and that's need intensive programs to educate nurses about various aspects of standard precautions and nosocomial infection control.

Key words: Assessment, Nurses' knowledge, standard precautions, nosocomial infection, Sana'a city, Yemen.