

Assessment Rate of Medication Error and Related Psychological Responses in Nurses of Intensive Care Unit of Ardabil Hospitals

Background & Aim: Providing patient safety and security is one of the priorities of nursing care and management. Paying attention to the standards of drug therapy plays an important role in patient safety and nurses' health. Also, the effect of drug mischief on harm to the patient also affects the nurses. The aim of this study was to determine Rate of Medication Error and Related Psychological Responses in Nurses of Intensive Care Unit of Ardabil Hospitals.

Methods: This is a descriptive cross-sectional study in which 191 nurses of special care units in Ardabil in 2018 were enrolled in a census. The data collection tool was a demographic questionnaire, a revised medication error July and colleagues, and psychological responses related to drug errors. Data were analyzed by SPSS software version 22 using descriptive statistics (frequency, percentage, mean, standard deviation) and analytical (Pearson correlation coefficient, ANOVA and T-test).

Results: Results showed that 86.4% of nurses in the last 6 months had at least one case of medication error, which resulted in 2.68% of physical injuries. Error reporting rate was 19.46%, and the mean error rate was 3.6 for each nurse. The most psychological responses were stress (75.39%) with an average severity of 6.7 ± 3.2 , a feeling of guilty (66.49%) with an average severity of 4.2 ± 2.8 . There was a statistically significant difference between age and employment status with frequency of error and between employment status and frequency of error ($P < 0.05$). Also, error rate was significantly correlated with psychological responses ($P < 0.05$).

Conclusion: Medication errors create multiple psychological responses in a variety of intensities in nurses. Therefore, after the occurrence of any error, it is necessary to take the necessary measures and measures to reduce the same complications for the patient and the nurse as the primary and secondary victims to do.

Keywords: Medication Error, Psychological Response, Nurse, Intensive Care Unit