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| **The Health promotion and work safety behaviors in personnel, Rajavithi Hospital** |
| **Background/Objectives**  Health promotion and work safety behaviors are one of the major concerns of most organizations globally. But few research studies have been conducted in hospital. Therefore, the aim of the study was to evaluate in health promotion and determine factors associated with work safety behaviors in personnel, Rajavithi hospital.  **Methods**  A cross-sectional study was carried out from July 2017-June 2018. Of 400 staff had worked in Rajavithi hospital at least one year were recruited, and completed a self-administered questionnaire,for a response rate of 100%. The questionnaire consists of 3 parts: demographic factors, health behaviors, and work safety behaviors. Data were analyzed using descriptive statistics in percentages, means and standard deviations and using multiple logistic regression to test the relationships. This study was reviewed and approved by the ethics committee, Rajavithi hospital.  **Results**  Of these 400 staffs, 64.1% were female, 65.6% worked in academic cluster, and the mean age was 33.54±8.85 years. Overall, 68.25% of staff had moderate health behaviors: smoking cessation 95.5%, quitting alcohol consumption 85.5%, stress management 75.17%, regular exercise 69.8%, and appropriate food intake 15.3%. Most of staffs had high level of work safety behaviors 65.5%. Two factors significantly associated with work safety behaviors were female (p=0.008), and married (p=0.012).  **Discussion**  The current situation of health promotion and work safety behaviors in Rajavithi hospital as moderate and high level, which are similar to literature. Female and married were associated with work safety behaviors, which are in line with previous studies. In order to achieve the health promotion andwork safety behaviors, the executive should be provided multi-sectorial activities such as exercise, appropriate food intake policies, smoking policies, and healthy environment to decrease the consequences like chronic disease and mortality. In addition, a positive work safety attitude of staff should promoted to prevent risks from working.  **Keywords**  Health promotion, Work safety behaviors, Hospital |