**Title:** Effects of Education based on Health Belief Model on Knowledge and Attitude regarding Pap smear in Health workers

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**Abstract:** Introduction: Cervical cancer is the second common cancer after breast cancer in the world. It causes for 18% of total death among women. This study was conducted to determine the effects of education based on Health Belief Model (HBM) on knowledge and attitude of voluntary health workers regarding Pap smear in the selected hospitals of Tabriz in 2009.

Material and Method: This study was a quasi experimental design. The study samples consisted of 180 nurses working in the selected hospitals of Tabriz. Data collection instrument was a questionnaire. Content method and cronbach coefficient Alpha were applied for validity and reliability of the questionnaire respectively. First a pre-test was administered to the groups then the training plan based on Health Belief Model was executed. Then after one month the subjects completed the questionnaire as post test. The data were analyzed by SPSS software (version 14) using descriptive and inferential statistics such as independent T-test, ANOVA, and Chi Square.

Results: Mean scores of knowledge and HBM variables (perceived sensitivity, benefits, barriers and severity) about Pap smear test in the subjects before and after intervention and within the variables showed a significant correlation(p<0.05). Also there were statistically significant correlation among some demographic characteristics and variables of HBM (p<0.05).

Conclusion: This study indicated that health education programs based on Health Belief Model can lead to increase health knowledge and improving attitude regarding Pap smear test among voluntary health workers. Therefore the necessity of execution of effective instructional programs to increase the knowledge and attitude of health workers regarding Pap smear is emphasized.

**Keywords:** Health Belief Model, Knowledge, Attitude, Pap smear

**Presentation:** Poster