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**Title: Prevalence of unwanted pregnancy and some related factors in pregnant women**

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**Abstract:** Introduction: Unwanted pregnancy is one of the most important public health problems worldwide. Studies show that the total number of pregnancies in the world is about 200 million cases per year; approximately one third of them are unwanted pregnancy. Ninety five percent of these unwanted pregnancies occur in the developing countries such as Iran. The aim of this study was to estimate the proportion of unwanted pregnancies and related factors among pregnant women in Hamedan.

Methods: This research is an analytic-descriptive study conducted on 248 pregnant women who attended the Health Centers in Hamedan, were interviewed in a period of five months by using a questionnaire. The questionnaires were completed by the participants. The data were analyzed by Fisher Exact Test, X²... using SPSS-13 and the significance level was based at P<0.05.

Results: The prevalence of unwanted pregnancy was 20.6%. There was a significant relationship between the unwanted pregnancy prevalence and self-efficacy of family planning instruments use, the partners education levels, the number of pregnancy, the number of children and age (P<0.05). But there was no significant relationship between the unwanted pregnancy prevalence and knowledge and attitude.

Conclusion: Regarding the high unwanted pregnancy prevalence in Hamedan compared to its mean in Iran and significant relationship between the unwanted pregnancy prevalence and self-efficacy of family planning instruments use, it seems necessary to promote much more quality of family-program consultations as well as training families on how to apply contraceptive means accurately until improving women's knowledge about how and when to use the methods in order to increase their ability to plan their pregnancies.

unwanted pregnancy, family planning, Hamedan

**Presentation:** Poster