Research Article

Prevalence of and Some Factors Relating with Unwanted Pregnancy, in Ahwaz City, Iran, 2010

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We aimed to find the prevalence and some factors relating with unwanted pregnancy. Methods. It was a cross-sectional study on 400 randomly pregnant women, who were referring to different health centers in Ahwaz city during 2010. Data was conducted based on questionnaire, and all the analysis was performed using SPSS (version 17) statistical analysis software. Results. The prevalence of unwanted pregnancy was 26%. The percentage of unwanted pregnancy in ages more than 35 years was approximately three times more than the intended pregnancy. There were significant relationship between unwanted pregnancy and some variables such as age, number of pregnancy, number of childbirth, education status, economic status, husband’s occupation, and the relationship with the spouse and contraceptive methods ($P < 0.0001$). Conclusion. The prevalence of unwanted pregnancy was high. To prevent unwanted pregnancy using consultation services before planning to be pregnancy, it is necessary to identify the factors relating with unwanted pregnancy.

1. Introduction

Attempts to confine reproduction refer to a distant time. Only those contraceptive methods are new in which synthetic steroid is used [1]. Regarding the current status of growth, the world population is doubled every 54 years; however, in poor countries, population is doubled in less than 20 years. To complete and preserve personal health during pregnancy, the optimal use of contraceptive methods is effective, and planning is necessary before pregnancy [2]. The rate of pregnancy in women with a high potency for fertility who use no contraceptive method is 90% during one year. A proved view is that the prevention is less dangerous than the pregnancy itself [3]. Therefore, conscious and accurate decision making for pregnancy and precise care play an important role in decreasing the maternal mortality. Induced abortion that can be the important complication followed by unwanted pregnancy play a significant role in the incidence of infection, fever, risk of the next premature delivery, low birth weight, and infertility [1, 4]. Pregnancy is a temporary crisis that creates deep mental, physical, and behavioral changes in a woman. Conscious and accurate decision making for pregnancy, continuation, and precise care play an important role in declining the maternal mortality. According to the studies by World Health Organization, close to one-third of the pregnancies in the third world countries are unwanted [5]. This kind of pregnancy increases the incidence chance of complication and maternal mortality [2]. Considering the fact that induced abortion may create some significant complications such as infection, septic shock, fever, risk of the next premature delivery, low birth weight, and infertility, it can also cause some anatomic complications resulting from the surgery such as uterus, bladder, and intestinal rupture [1, 4]. Planning for pregnancy can help the safety of childbirth, and unplanned pregnancies increase the maternal mortality [2]. Despite the attempts by the authors in health centers, some unwanted pregnancies occur that can danger the women. Therefore, we decided to evaluate some factors related to unwanted pregnancy in women referred to health centers.
In this study, relative decrease in the incidence of unwanted pregnancy was 25%, 30%, 43%, and 52% [6–9]. Similarly conducted studies indicated that the incidence rate of unwanted pregnancy was 26%, and more recently, in our study, the rate of unwanted pregnancy was higher (36%). The educational level in the subjects was 36% in secondary school and 44% in high school. 37% of subjects with unwanted pregnancy were illiterate and primary school. The findings have shown that most of pregnant women were housewives (82%), and their husbands had self-employment (40%), and 7.1% of subjects with unwanted pregnancy had unemployed husband. Low economic status was higher in unwanted pregnancy. Half of the women with unwanted pregnancy had low economic status, while, in women with intended pregnancy, this rate was only 20%. According to the interviews, good relationship with the husband in women with unwanted pregnancy was higher (66%). Regarding fertility characteristics, the findings showed that more than half of the women with unwanted pregnancy were in the third trimester 54%, (Figure 1). 80% of unwanted pregnancy had more than two times pregnancies, but the percentage in intended pregnancy was 38%. This study showed that more than half of the pregnant women had used one of the contraceptive methods before the recent pregnancy, and 30% had used natural (interrupted) methods. The most percentage of women with unwanted pregnancy used unreliable methods like interrupted method (59.1%). The incidence of pregnancy followed by the consumption of contraceptive pills in women unwanted pregnancy was 16%. This study has shown that 26% of women who wish to become pregnant had more knowledge and performance about pregnancy health 26%, and the low levels of knowledge and performance were more observed in unwanted pregnancy.

### Table 1: Level of education in intended pregnancy as well as unwanted pregnancy.

<table>
<thead>
<tr>
<th>Education</th>
<th>Intended Pregnancy</th>
<th>Unwanted Pregnancy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary education</td>
<td>20%</td>
<td>37%</td>
</tr>
<tr>
<td>Illiterate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Secondary education</td>
<td>36%</td>
<td>28%</td>
</tr>
<tr>
<td>High school</td>
<td>44%</td>
<td>35%</td>
</tr>
</tbody>
</table>

![Figure 1: Prevalence of unwanted pregnancy in different trimester.](image)

Most of the women have the ability to become pregnant for at least three decades in their life, but most of men are potentially fertile all over their life [13]. In our study, the rate of unwanted pregnancy was higher in individuals with more number of children. Also, in similar studies, the increased prevalence of unwanted pregnancy is observed with an increase in the number of children, from 7.9% in childless women to 92.8% in women with 4 children or more [10]. In our study, unwanted pregnancy was more observed in employee women, and some other studies have achieved this result too [6]. Low income, poverty, unemployed husband, and inappropriate job play significant role in the incidence of unplanned pregnancy [7, 15–19]. A study in Zimbabwe has shown that women with unemployed husbands were
more exposed to the unwanted pregnancy [20]. Some studies in Africa [7] and New York [17] indicated that unwanted pregnancy more occurred in poor, low income, and homeless women, which necessitates more concern about the poor women. Other studies in Thailand [21] and USA [22] have found that one of the related factors with unwanted pregnancy is the relationship with the spouse; also they showed that good relationship with the spouse in women with unwanted pregnancy was less than intended cases. A study from London has found that planned pregnancy was more observed in couple with more strengthened union [8]. It seems that couples’ relationship is an important and positive factor which affects the increase of their cooperation in regarding the fertility health [23]. It was indicated in this study that, in 20% of women with unwanted pregnancy, no contraceptive method was used, and more than half of them used unreliable methods of which failure was more observed in unwanted pregnancies. A study in Egypt states that 47% of pregnant women with unplanned pregnancy do not use adequate prevention, and 28.8% encounter with the failure of their contraceptive method [6]. In a study in China, it has been indicated that the failure of the contraceptive method has been the main cause of unwanted pregnancy [24]. It seems that of the most important educational needs and the most effective attempts to prevent unwanted pregnancy are creating motivations in families, providing necessary facilities, and helping them in selection and accurate use of different methods by holding educational classes in health centers. Therefore, introducing accurate information about the contraceptive methods acquires a profound understanding, and using this information is very important in planning for the pregnancy [25]. Considering the lack of safe methods, educational programs, introducing adequate contraceptive options, and consultation before pregnancy are effective strategies for decreasing unwanted pregnancy and its outcomes [24]. 76% of world population live in developing countries, 85% of births, 95% of neonatal mortality, and 99% of maternal mortality occur in these countries [25]. So, regulating reproduction and adequate planning for pregnancy is significant in these countries.

In conclusion, more attempts must be taken to decrease complication of pregnancies such as unwanted cases. In the recent years, it has been proved that, in addition, the population control and educational program for contraceptive methods are important and necessary in preventing unwanted pregnancy. Because in Iran abortion is illegal consider in the Muslim religious, unwanted pregnant women cannot do abortion except if physician has diagnosis that mother has complication to continue of her pregnancy or there is intrauterine growth retardation in the first trimester.

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**References**


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