Husband’s Support towards Unmet Need of HIV Positive-Infected Women of Childbearing Age

Dukungan Suami terhadap Unmet Need pada Wanita Usia Subur dengan HIV Positif

Sophia*, Anita Deborah Anwar**, Bony Wiem Lestari***

* Diploma Program for Midwifery, Jenderal Achmad Yani Health Institute, Cimahi, Indonesia, ** Department of Obstetric and Gynecology, Faculty of Medicine, Padjadjaran University, Bandung, Indonesia, *** Department of Epidemiology and Biostatistics, Faculty of Medicine, Padjadjaran University, Bandung, Indonesia

Abstract

In the developing countries, millions of HIV positive-infected women of childbearing age are currently not using contraceptive to delay or terminate pregnancy. Prevention of unintended pregnancy among HIV positive-infected women is very important to improve these women and their baby’s quality of life. This study aimed to analyze factors related to the unmet need among HIV positive-infected women of childbearing age. This study used cross-sectional method with 130 samples taken consecutively. This study was conducted on March 24 to June 30, 2015 at Mawar Clinic in Bandung City. Interviews using a questionnaire were performed to collect data that were then analyzed by using chi square test and multiple logistic regression. The results showed that desire to have children (OR= 2.67; 95%CI= 1.034 - 6.891), husband’s support (OR= 7.803; 95%CI = 2.037 - 29.884) affected the unmet need and husband’s HIV status (OR= 0.168; 95%CI= .064 - 0.44) had lower effect to the unmet need. The husband’s support was found as the most influential factor to the unmet need in this study. The husband’s role is important in reducing the unmet need among the HIV positive-infected women, so that contraceptive counseling in pair should be performed.

Keywords: Contraception, HIV, unmet need, women of childbearing age

Introduction

Millions of women of childbearing age that do not use contraceptives in preventing pregnancy are the phenomenon that occurs today. The above condition is called as unmet need, a condition in which women of childbearing age do not use contraceptives but want to delay or terminate their pregnancy.1,2

The number of unmet need in Indonesia was 11% (Basic Health Research, 2013). According to the National Family Planning Board (BKKBN) of West Java report, the unmet need by September 2013 was 13.43% in West Java and 10.68% in Bandung.3 However, there

Correspondence: Sophia, Diploma Program for Midwifery, Jenderal Achmad Yani Health Institute, Cimahi, Terusan Jenderal Sudirman Street Cimahi 40533, Phone: +6222-6631622, email: sophia.maryana@yahoo.com
Husband's Support towards Unmeet Need of HIV Positive-Infected Women of Childbearing Age

Many factors affect the unmet need of HIV positive-infected women. Several studies have found factors that affect the use of contraceptives among them. Muyindike et al., multivariately analyzed their study (OR and 95% CI), found age, education, monthly income, number of living children, desire to have children at the age younger than 24 years, secondary education, income, and parity ≥ 3 children were significantly associated with the increased of contraceptive use. Desire to have another child among HIV positive-infected women or partners tend to related to the unmet need.

Another study carried out by Aziem and Okud, in Sudan explained by logistic regression analysis showed that the educational and working status of women were related to the unmet need. Educated women have better access to the health facilities and information of contraception. Women's working status can increase women's ability to use the health facilities.

Korra's studies towards the results of 15 demographic and health surveys in Ethiopia showed that lack of knowledge, fear of side effects and pair disapproval were the main reasons for not using contraceptives among women. Therefore, this study was conducted in aim to analyze factors that may affect the unmet need of the HIV positive-infected women of childbearing age in Bandung City.

Method
This survey was non-experimental in which data were collected accidentally. The population of this study were all HIV positive-infected women who came to the Mawar Clinic in Bandung. Respondents as many as 130 were taken accidentally from March to June 2015 by using the formula “rule of thumb”. Data were collected by interviews using questionnaires. Interviews were conducted directly to the respondents to obtain information on the individual factors (age, desire to have children as employment, education, income, number of living children, children's HIV positive status, history of marriage), the Family Planning program factor (history of contraception, knowledge of contraception and HIV) and the environmental factors (support of her husband, the husband's HIV status) that affected the unmet need of HIV positive-infected women. The data collected were edited, coded, entered, cleaned, and analyzed using a certain computer statistic package. Univariate, bivariate analysis used chi-square test, meanwhile multivariate analysis used logistic regression test in order to meet the aim of study.

Results
Reviewing characteristics of respondents as shown in Table 1, the proportion of unmet need were 36 respondents (27.7%). The individual factor characteristics among the unmet need group were 91.7% aged 20-34 years, 69.4% still had the desire to have children, 75% were well-educated, 69.4% were unemployed, 94.4% income < regional minimum wage, 77.8% had 0-2 living children, 61.1% had HIV negative-infected children, 55.6% had no previous marriage history. Within the Family Planning program factor, 91.7% had non long term contraceptive method history, 55.6% had good knowledge about HIV and 63.9% had less knowledge about family planning. In the environmental factor, 91.7% had a negative support from husbands and 75% of husbands HIV status was non-reactive.

Table 1 showed a relation between family planning knowledge, the desire to have children, marriage history, husband support, and the husband's HIV status with the unmet need of the HIV positive-infected women (p < 0.05).

Based on the final model results as shown in Table 2, variables with p value ≤ 0.05 such as negative husband’s support, desire to have children, husbands reactive HIV status affected the unmet need of the HIV positive-infected women. Results of logistic regression showed husband's support as the most negative factor related to the unmet need of HIV positive-infected women with OR= 7.803 (2.037 to 29.884; 95%CI).

Discussion
Individual Factors
Age influences someone's knowledge and experiences.
Knowledge and experience are increasing along age, affecting someone's reasoning and mindset, resulting in better knowledge gained. The older someone is, the more mature he is in thinking and behaving.12-14

Age influence to a person's health behavior, is also influenced by another factor among others that is by knowledge. One’s knowledge relation with the reasoning towards information is related to age, particularly in the mental abilities required to learn and adapt towards new situations, such as remembering ever learned, analogy reasoning and creative thinking reached at its peak at the age of twenties.15

The above statement is not consistent with the results of this study in which a group of unmet need HIV positive-infected women, who were at the age of 20-34 years (91.7%). In this study, the age variable was not related to the unmet need of the HIV positive-infected women. However, there were some studies supporting these findings, such as a study conducted by Habte and Namasasu,16 that confirmed that the age factor was not related to the use of contraceptive.

Anther factor that influenced the unmet need is the desire to have children. Multivariable analysis showed that there was relation between the respondent and her partner's desire to have children with the the unmet need. By 69.4% of respondents and their husbands still had a desire to have the children. This finding was supported by Okigbo's,10 study explaining that the desire to have children among the HIV positive-infected women and their husbands tend to result in the unmet need.
Multivariate analysis of study, Anand et al.,17 in Africa found that HIV-infected women who did not want to have children were 3.73 times more likely to use modern contraceptives than those who have the desire. The results showed that education was not related to the unmet need among the HIV positive-infected women. By 75% of respondents in the group of unmet need had high education level (high school, higher education). The result was not in with Aziem and Okud’s,1 research in Sudan which found that the education status of women affect the unmet need in Family Planning. Educated women had better access to the health facilities and information regarding contraception. However Wanyenze’s,18 study suggested through bivariate analysis, that education, income, marriage history are not related to the unmet need for family planning among HIV-infected women (p > 0.05). The finding also showed that there is no relation between employment status and unmet need, but 69.4% of respondents of the unmet need group were unemployed/housewives. Aziem’s,1 study explained that working women could improve the ability to use health facilities compared to those who were not.

Gustiana’s,19 study found that working was an important factor in influencing women’s attitude to the use of contraceptive reflecting the women and decision-making autonomy. Women who worked out of the home had more opportunities to access contraception services.

HIV positive-infected women who also have HIV positive-infected children status tend to be the unmet need. This finding was supported by studies found that the unmet need was more common among HIV positive-infected women who had HIV positive-infected children died of AIDS.20 This study found that 38.9% of the unmet need respondents had HIV positive-infected children. This study finding was more interesting when linked to the prevention of new HIV virus infection. The key strategy in minimizing the incidence of HIV infection, particularly in reducing transmission from mother to infant is by reducing the unmet need for family planning. Reducing the unmet need for family planning is also the key component to globally prevent new HIV infections.

High income was found significantly related to increase of contraceptive use.9,18 Low welfare level among HIV positive-infected women tend to cause their need for contraceptive were unmet in terminating and planning their pregnancy.21 This study found that 94.4% of respondents whose their need were unmet were those belong to the less income.

Unmet need is also more common among HIV positive-infected women who had ever married.22 HIV positive-infected woman who had more than 2 couples was more at at risk for unmet need than just having one.18 Based on multivariate analysis, Kim Chi et al.,23 found that married women had increased use of contraceptive odd ratio 7 times compared to women who had never married or have ever been married. The study illustrated the 44.4% of the unmet need respondents had ever married before. This was because the new husband desired to have children although the respondents already had children from her marriage before.

The study showed that the respondents in the unmet need group were those who had two children (22.2%). This finding was supported by Muyindike et al,9 that suggested parity more than three was related to the increase of contraceptive use by HIV positive-infected women. Several factors found related in this study were similar to the findings of study conducted by Habte and Namassu. Education, occupation, income, marriage history were not related to the use of contraceptives.16

**Family Planning Program Factor**

Nattabi’s,24 study found that increase of contraceptive use by HIV positive-infected women was related to good knowledge of Family Planning. Similarly, Gustiana,19 also found that of all respondents knowing about modern contraceptive methods, 75.4% of them were using contraceptive and 24.6% were not.

Knowledge is very important in determining health status. It can affect a person’s decision-making in health. Decision-making is defined as the selection among the various alternatives concerning choices. In general, the decision-making is related to a person’s behavior in response to any information received. The decision is the result of a thinking process considering various factors to be carried out or realized.25

In relation to this study, knowledge plays as important role for a HIV positive-infected woman to make decision to use contraceptive. However, in this study, there was no relation between knowledge of the unmet need among HIV positive-infected women. The finding above was probably caused by other factors that had more influence to the unmet need compared to knowledge.

Contraceptive use experience can contribute to the unmet need of HIV positive-infected women. Women who had been using hormonal contraceptive, injectable and pill hormonal contraceptive previously had greater possibility to unmet need. This was because of experiences in side effects that scared them to reuse the contraceptive.26,27 This finding is in line with the fact that 97.7% of respondents whose their need unmet had previously used hormonal contraceptives.

**Environmental Factor**

Nearly all (35%) of the 36 unmet need respondents obtained negative husband support in contrast with the respondents who their need were met, most of 94 respondents whose (87 respondents) obtained positive hus-
band’s support. The finding was supported by several studies, including by Mekonnen and Worku, that explained that the use of contraceptives was 2.6 times higher among women whose partners supported the use of contraceptive.

One form of husband’s support is discussion about contraception. Nakia’s study in 2011 reported that a woman who held discussions with her partner about the use of contraceptive method was six times more likely to use contraceptive. According to Victor, discussion between husband and wife about family planning related to the unmet need because of good communication between partners was correlated with increasing use of contraceptive.

Study conducted by Mahmoud explained that the husband resistance is an important risk factor for the occurrence of unmet need. Approximately 21.5% of the resistance of the women obtained resistance from their husbands compared to those whose need met (6.5%).

At the couple level, barriers like a ban or a negative attitude of women in using modern contraceptive is a theory for an increase in the unmet need for contraception. Despite the contraceptive method used is oriented towards woman, in fact every woman still have to get approval from the husband. This situation is perceived worse by HIV positive-infected women, in which they are more disadvantaged by stigma in the community.

A qualitative study conducted by Nattabi in Africa, explained that partner or husband’s rejection was one of the barriers to the contraceptive use, whenever the respondent could not use contraceptive because of severe side-effects. Male domination in decision-making regarding fertility and contraceptive use resulted in the husband made decision-making.

Husband’s HIV status influenced the unmet need. A husband with HIV reactive status had higher risk of giving unmet need than HIV non-reactive. This finding was in line with several studies which claimed that the partner’s non reactive HIV status might increase HIV positive-infected women’s participation of contraception. Jhangri’s study confirmed that the unmet need for family planning was more common among HIV positive-infected woman who had HIV positive status couples compared to those whose partner were HIV negative.

The findings of studies above are different from this study in which the husband’s HIV status among the most unmet need respondents (75%) were non-reactive/negative. This study concludes that the use of contraceptive is an important element for a pair with HIV positive wives who can plan a pregnancy properly and to prevent new HIV infections.

Conclusion
In conclusion, desire to have children, negative husband’s support and husband’s HIV reactive status are related to the unmet need of HIV positive-infected women.

Recommendation
Since the husband’s role is important in the Family Planning unmet need, family planning counseling should be provided in order to reduce the unmet need among HIV positive-infected women.

Acknowledgement
A sincere gratitude are given to Dr. Farid Husin, Ir., dr., SpOG (K)., Kes., MH.Kes., Dr. Tita Husnitawati Madjid, dr., SpOG (K), Rovina Ruslami, dr., SpPD., Ph.D., who have provided inputs into the study and writing of this article.

References
8. Korra A. Attitudes toward family planning and reasons for nonuse among women with unmet need for family planning in Ethiopia. Calverton, Maryland USA; ORC Macro; 2002.