Impact of Husbands' Healthcare Decision Making on Women's Future Intention of Using Contraceptives in Bangladesh

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Abstract

The use of contraceptive is important for the reduction of maternal mortality, child mortality and to slow down the high population growth rate. The central objective of this study is to examine the association between husbands' involvement with healthcare decision making and women's future intention of using contraceptives. Bangladesh Demographic and Health Survey (BDHS), 2014 data is used for this purpose. To evaluate the association overall and stratified binary logistic regression models are employed as well as the odds ratios (OR) along with their 95% confidence intervals are specified. The adjusted effect of overall model shows that husband's involvement with healthcare decision making is significantly negatively associated (OR=0.82, 95% CI: 0.70, 0.95) with women's intention of using contraceptives. The adjusted effects of stratified models also demonstrate that the association is significantly negative among women in rural area, from middle income families, who are Muslim, having more than two living children, having current age 35 to 49, who are unemployed, whose husbands are 1 to 5 years older and secondary educated. These findings can help to address the men's role in family planning and to increase the current contraceptive prevalence rate in Bangladesh.

Keywords: Contraceptive, healthcare decision, contraceptive prevalence rate, odds ratio, Bangladesh.

I. Introduction

Bangladesh is the world's number tenth and Asia's number sixth densely populated country. In 2018, its total population becomes 166,368,149 and the density becomes the highest (1278/km²) among all the neighboring countries (United Nations Department of Economic and Social Affairs, 2018). The huge population of Bangladesh creates some typical problems like food insecurity, unplanned urbanization and economic inequality which are also associated with child and maternal health complicacies.¹⁻³ Thus reduction of population growth should be a prioritized task for Bangladesh government. It has been widely accepted that family planning can control the unintended pregnancies and can decrease the rate of population growth.^{4,5}

In developing countries every year over 22 million risky abortions are occurring and causing about 47,000 maternal deaths.^{6,7} At least one third of these unexpected maternal deaths can be avoided by using contraceptives.⁸ According to Bangladesh Demographic and Health Survey (BDHS), 2014 data the contraceptive prevalence rate (CPR) was 62% in 2014⁹. Compared to 1975 when the rate was only 8%, it has increased significantly but the rate of progress has been slowed down over the last fifteen years. It was 58% in 2004 which indicates that within a decade the rate has increased only four percentage points.⁹ Therefore, it is necessary to critically examine the aspects of contraceptives in Bangladesh.

In developing countries like Bangladesh, women are supposed to take the responsibilities of contraception and usually they face complicated and challenging intricacies to use modern contraceptives.^{11,13} The complex interaction of

social, demographic, economic and cultural factors are responsible behind these challenges.^{4,10-12} Nevertheless the influence of husbands on the attitude of wives' contraceptive using is becoming one of the important areas for the reproduction health researchers. In Bangladesh, it is quite rare to use contraceptive under husband's disapproval.¹³ Many previous studies of developing countries imply that the male partners play an important role on female counterpart's decision on using contraceptives.¹⁴⁻¹⁶ Even higher educated women who intend to use contraceptive are sometimes not able to use it because of their husband's attitudes, dissatisfactions and fertility preferences.^{14,17} It is found that couple's combined decision making has a stronger positive influence on contraceptive use.¹⁵ A study among Mozambican women gives substantial evidence of the association between husbands' healthcare decision making power and women's intention of using contraceptives. A very limited number of studies have been conducted in Bangladesh about the effect of a husband's healthcare decision making on a woman's future intention of using contraceptives. Thus, this study intends to critically examine the relationship between husband's involvement with healthcare decision making and women's future intention of using contraceptives in Bangladesh.

II. Data and Methodology

A national representative Bangladesh Demographic and Health Survey (BDHS), 2014 data is used for this study. It was conducted by National Institute of Population Research and Training (NIPORT), Bangladesh using two-stage stratified sampling design. In total around 18,000 households were selected and interviewed ever-married women from each household to get demographic, health

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Outcome variable

The outcome variable of this study is women's future intention of using modern contraceptive. In BDHS, 2014 data the original variable was 'contraceptive use and intention' with five possible categories: using modern method, using traditional method, non-user - intends to use later, does not intend to use and never had sex. Those in using a modern method or using a traditional method or never had sex categories are excluded from the current analysis. Consequently, the outcome variable is dichotomized as: intends to use and doesn't intend to use contraceptives in future.

Central exposure of interest

In this study, the central exposure of interest is the husband's decision making power on respondent's healthcare. The possible responses of the original question about respondent's healthcare decision maker were: respondent by herself, respondent and husband in cooperation, husband alone, respondent and other person, someone else and other. The latter three groups are excluded in present analysis as they are irrelevant with research interest. Therefore the central exposure of interest is dichotomized as husband alone and respondent by herself or in cooperation with husband. The justification behind this categorization is that the number of women taking their health care decision by themselves is trivial and the research interest is to assess whether husband's healthcare decision making is responsible for the respondent's future intention of using contraceptive.

Potential confounder

Based on literature review^{10,11,20,21} following potential confounders are selected in the study: as place of residence, division, educational attainment of women, wealth index, religion, number of living children, women's current age, women's working status, age difference of woman and husband, and husband's educational attainment.

Binary logistic regression model

Let us consider binary response variable y_i ; i = 1, 2, ..., n(intention of contraceptive use) which can take two values either yes "1" or no "0" for an ever-married woman, and corresponding independent variables **X**. Let $\pi(x)$ denotes the probability of having intention to use contraceptives when **X** takes valuex. In logistic regression model, for an individual y_i , the probability $\pi(x)$ can be defined in terms of logit link function as¹⁸

$$logit(\pi(x)) = log\left(\frac{\pi(x)}{1 - \pi(x)}\right) = \alpha + \beta x.$$
 (i)

In terms of success probability, the logistic regression model can be defined as

$$\pi(x) = \frac{\exp(\alpha + \beta x)}{1 + \exp(\alpha + \beta x)}.$$
 (*ii*)

The parameter β determines the effect of covariates on the probability of intention to use contraceptives. The parameters of the model are estimated using the maximum likelihood method.¹⁹

Process of getting unadjusted and adjusted odds ratio, and stratification

The unadjusted association is obtained from univariate logistic regression whereas adjusted association can be obtained from multivariate logistic regression model. That is, when the interest is to assess 'women's future intention of using contraceptive' by only 'husband's decision making on respondent's healthcare' then unadjusted odds ratio is obtained. On the other hand, the adjusted odds ratio can be obtained when 'husband's decision making on respondent's healthcare' variable is used as independent variable in the logistic regression along with other potential confounders.

In this study, the association between husbands' involvement with healthcare decision making and women's future intention of using contraceptives is further examined through stratification by the different categories of the potential confounders. For instance, by 'place of residence' variable two stratum is obtained-*urban* and *rural*. Then, the association is assessed in each stratum.

III. Results

The analysis of this study is mainly carried out by four phases: descriptive statistics, bivariate analysis, univariate and multivariate logistic regression analysis, and univariate and multivariate logistic regression analysis by stratification. The results are discussed in this following section.

Descriptive statistics

The weighted distribution of ever-married women with regard to selected confounders is shown in the Table 1. It shows about 55.8% women have future intention to use contraceptive whereas 44% don't have intention. In case of respondent's health care decision making 68.1% women report that they themselves or in cooperation with their husband take the decision while 31.9% report that their husbands take the decision singlehandedly.

Bivariate analysis

In order to execute bivariate association, chi-square (χ^2) test is performed. It reveals whether a particular confounder is related with the outcome variable (future intention of contraception). The results are shown in the Table 1. It demonstrates that at 1% level of significance all the confounders are significantly associated with future intention of contraception.

Table 1. The weighted distribution of ever-married women with regard to selected confounders and the *p*-values of chi-square (χ^2) test

	Future intention of contraception			
Variables ($n = $ sample size)	Weighted %	Having intention (%)	Not having intention (%)	p-value
Husband's decision on respondent's healthcare				< 0.001
Women alone or jointly (3826)	68.1	2133 (55.8)	1693 (44.2)	
Husband alone (1925)	31.9	1072 (55.6)	853 (44.4)	
Place of residence				< 0.001
Urban (1818)	26.1	1005 (57.5)	813 (42.5)	
Rural (3933)	73.9	2200 (55.2)	1733 (44.8)	
Division		× /	. ,	< 0.001
Barisal (702)	6.2	392 (56.4)	310 (43.6)	
Chittagong (1082)	21.3	687 (62.5)	395 (37.5)	
Dhaka (982)	34.3	562 (55.1)	420 (44.9)	
Khulna (715)	9.0	348 (49.6)	367 (50.4)	
Rajshahi (676)	10.1	348 (52.4)	328 (47.6)	
Rangpur (683)	9.6	362 (51.9)	321 (48.1)	
Sylhet (911)	9.4	506 (56.5)	405 (43.5)	
Educational attainment of women		· /		< 0.001
No education (1378)	25.5	374 (27.9)	1004 (72.1)	(01001
Primary (1669)	29.4	883 (54.2)	786 (45.8)	
Secondary (2163)	36.9	1537 (71.8)	626 (28.2)	
Higher (541)	8.1	411 (76.9)	130 (23.1)	
Wealth Index		(, , , ,))	< 0.001
Poor (2090)	38.3	1140 (53.9)	950 (46.1)	<0.001
Middle (1179)	19.6	641 (54.8)	538 (45.2)	
Rich (2482)	42.1	1424 (58.0)	1058 (42.0)	
Religion	72.1	1424 (50.0)	1050 (42.0)	< 0.001
Muslim (5275)	91.7	2973 (56.3)	2302 (43.7)	<0.001
Non-Muslim (476)	8.3	232 (50.3)	244 (49.7)	
Number of living children	0.5	252 (50.5)	244 (4).7)	< 0.001
$\leq 2 (3782)$	65.2	2617 (69.3)	1165 (30.7)	<0.001
$\leq 2 (3782)$ More than 2 (1969)	34.8	588 (30.6)	1381 (69.4)	
	54.0	566 (50.0)	1501 (07.4)	-0.001
Women's current age	22.6	1(2((07.5)	200 (12 5)	< 0.001
15 - 24 (1835)	32.6	1626 (87.5)	209 (12.5)	
24 - 34(1704)	29.6	1251 (73.0)	453 (27.0)	
35 – 49 (2212)	37.8	328 (15.0)	1884 (85.0)	0.004
Women's working Status	•••			< 0.001
Employed (1505)	28.5	715 (47.6)	790 (52.4)	
Unemployed (4246)	71.5	2490 (59.1)	1756 (40.9)	
Woman and husband age difference				< 0.001
Husband younger or same age (83)	1.5	50 (62.7)	33 (37.3)	
1-5 years older (1488)	26.2	988 (66.2)	500 (33.8)	
6-10 years older (2217)	38.4	1341 960.4)	876 (39.6)	
> 10 years older (1963)	33.9	826 (42.3)	1137 (57.7)	
Husband's educational attainment				< 0.001
No education (1583)	28.9	666 (41.7)	917 (58.3)	
Primary (1544)	27.1	913 (59.4)	631 (40.6)	
Secondary (1778)	30.8	1098 (62.5)	680 (37.5)	
Higher (846)	13.2	528 (64.0)	318 (36.0)	
		55.8	44.2	

Univariate and multivariate logistic regression

The unadjusted and adjusted results obtained from univariate and multivariate logistic regression analysis respectively are shown in the Table 2. The adjusted result of Table 2 indicates significant association between women's future intention of using contraceptives and husband's involvement with healthcare decision making. It shows that the women whose husbands are their ultimate healthcare decision maker are 18% less likely to have future intention of using contraceptives compared to the women who take their healthcare decision by themselves or with their husbands jointly.

Table 2. Unadjusted and adjusted odds ratio with 95% CI for the studied covariates

Variables ($n = \text{sample size}$)	Unadjusted OR (95% CI)	Adjusted OR (95% CI)		
Husband's decision on respondent's healthcare				
^R Women alone or jointly (3826)	1.00	1.00		
Husband alone (1925)	0.98 (0.89, 1.11)	0.82 (0.70, 0.95)		
Place of residence				
^R Urban (1818)	1.00	1.00		
Rural (3933)	1.02 (0.92, 1.15)	1.09 (0.91, 1.29)		
Division				
Barisal (702)	0.95 (0.78, 1.15)	1.07 (0.81, 1.40)		
Chittagong (1082)	1.30 (1.09, 1.55)	1.25 (0.98, 1.59)		
^R Dhaka (982)	1.00	1.00		
Khulna (715)	0.71 (0.58, 0.6)	0.81 (0.61, 1.06)		
Rajshahi (676)	0.79 (0.65, 0.97)	0.87 (0.66, 1.41)		
Rangpur (683)	0.84 (0.69, 1.03)	1.04 (0.79, 1.38)		
Sylhet (911)	0.93 (0.78, 1.12)	0.82 (0.64, 1.06)		
Educational attainment of women				
^R No education (1378)	1.00	1.00		
Primary (1669)	3.02 (2.59, 3.52)	1.66 (1.36, 2.04)		
Secondary (2163)	6.59 (5.67, 7.67)	2.52 (1.99, 3.18)		
Higher (541)	8.49 (6.76, 10.71)	4.60 (3.19, 6.65)		
Wealth Index		,		
Poor (2090)	1.01 (0.87, 1.16)	1.06 (0.86, 1.29)		
^R Middle (1179)	1.00	1.00		
Rich (2482)	1.13 (0.98, 1.30)	1.10 (0.90, 1.36)		
Religion				
Muslim (5275)	1.36 (1.13, 1.64)	1.15 (0.89, 1.49)		
^R Non-Muslim (476)	1.00	1.00		
Number of living children				
$R \le 2$ (3782)	1.00	1.00		
More than 2 (1969)	0.19 (0.17, 0.21)	1.12 (0.94, 1.35)		
Women's current age				
15 - 24 (1835)	2.82 (2.36, 3.38)	2.67 (2.20, 3.24)		
$^{R}24 - 34 (1704)$	1.00	1.00		
35 - 49 (2212)	0.06 (0.05, 0.07)	0.07 (0.06, 0.9)		
Women's working Status	0.00 (0.05, 0.07)	0.07 (0.00, 0.9)		
Employed (1505)	0.64 (0.57, 0.72)	0.93 (0.79, 1.10)		
^R Unemployed (4246)	1.00	1.00		
Woman and husband age difference	1.00	1.00		
^R Husband younger or same age (83)	1.00	1.00		
1-5 years older (1488)	1.30 (0.82, 2.04)	1.50 (0.83, 2.66)		
6-10 years older (2217)	1.01 (0.64, 1.57)	1.09 (0.61, 1.92)		
> 10 years older (1963)	0.48 (0.30, 0.75)	0.65 (0.36, 1.15)		
Husband's educational attainment	0.40 (0.50, 0.75)	0.05 (0.50, 1.15)		
^R No education (1583)	1.00	1.00		
Primary (1544)				
	1.99 (1.73, 2.30)	1.14 (0.93, 1.40) 0.90 (0.72, 1.12)		
Secondary (1778) Higher (846)	2.22 (1.94, 2.55) 2.29 (1.93, 2.71)	0.90 (0.72, 1.12) 0.83 (0.62, 0.12)		
^R Reference category	2.29 (1.95, 2.71)	0.05 (0.02, 0.12)		

^R Reference category

Univariate and multivariate logistic regression by stratification

The unadjusted and adjusted results obtained from univariate and multivariate logistic regression through stratification are shown in Table 3. The adjusted results of stratified model demonstrate that the relationship is significantly negative among women in rural area, from middle income families, who are Muslim, having more than two living children, having current age 35 to 49, who are unemployed, whose husbands are 1 to 5 years older and secondary educated. In case of rural women, it is observed that the women whose husbands are their final healthcare decision maker are 18% less likely to have future intention of using contraceptives compared to the women who take their healthcare decision by themselves or with their husbands in cooperation. Likewise, in the midst of the women from middle class families the women whose husbands alone take decision about their health are 32% less likely to have future intention of using contraceptives. Among the Muslim women the women whose husbands are solely responsible for their healthcare decision are 19% less likely to have future intention of using contraceptives. Similarly, among the women having more than 2 living children, current age 35 to 49, currently unemployed, whose husbands are 1 to 5 years older and secondary educated, the women whose husbands take healthcare decision alone are 38%, 38%, 24%, 32% and 26% less likely to have future intention of using contraceptives respectively compared to the women who take their healthcare decision by themselves or with their husbands jointly.

 Table 3. Unadjusted and adjusted odds ratio of husband's decision making power on respondent's healthcare with 95% CI obtained from logistic regression by stratification

Covariates	Odds ratio with	Odds ratio with 95% CI				
	Unadjusted	95% CI	Adjusted	95% CI		
Overall ^{\$} $(n = 5751)$	0.98	(0.89, 1.11)	0.82	(0.70, 0.95)		
Stratified by:						
Place of residence [*]						
Urban (1818)	1.11	(0.91, 1.36)	0.83	(0.62, 1.12)		
Rural (3933)	0.95	(0.83, 1.09)	0.82	(0.68, 0.98)		
Division**						
Barisal (702)	0.81	(0.60, 1.10)	0.72	(0.45, 1.16)		
Chittagong (1082)	0.90	(0.68, 1.19)	0.74	(0.50, 1.08)		
Dhaka (982)	1.05	(0.79, 1.41)	0.72	(0.48, 1.06)		
Khulna (715)	1.01	(0.74, 1.37)	0.76	(0.48, 1.17)		
Rajshahi (676)	1.30	(0.95, 1.79)	1.51	(0.93, 2.48)		
Rangpur (683)	1.23	(0.90, 1.69)	1.50	(0.84, 2.71)		
Sylhet (911)	1.01	(0.78, 1.32)	0.75	(0.52, 1.07)		
Educational attainment of women***						
No education (1378)	1.15	(0.90, 1.47)	0.82	(0.60, 1.13)		
Primary (1669)	1.05	(0.86, 1.29	0.80	(0.61, 1.05)		
Secondary (2163)	1.13	(0.92, 1.39)	0.85	(0.66, 1.12)		
Higher (541)	1.48	(0.93, 2.43)	0.88	(0.48, 1.65)		
Wealth Index [#]		(0.50,)		(0110, 1100)		
Poor (2090)	1.02	(0.86, 1.22)	0.88	(0.69, 1.13)		
Middle (1179)	0.90	(0.71, 1.15)	0.68	(0.47, 0.97)		
Rich (2482)	1.06	(0.89, 1.27)	0.91	(0.70, 1.17)		
Religion ^{##}	1.00	(0.0), 1.27)	0.91	(0.70, 1.17)		
Muslim (5275)	0.98	(0.88, 1.10)	0.81	(0.68, 0.95)		
Non-Muslim (476)	1.16	(0.79, 1.71)	1.08	(0.60, 0.95) (0.60, 1.95)		
Number of living children ^{###}	1.10	(0.7), 1.71)	1.00	(0.00, 1.55)		
$\leq 2 (3782)$	1.18	(1.02, 1.37)	0.94	(0.77, 1.14)		
More than 2 (1969)	0.72	(0.58, 0.88)	0.62	(0.47, 0.82)		
Women's current age ⁺	0.72	(0.50, 0.00)	0.02	(0.47, 0.02)		
15 - 24 (1835)	0.93	(0.69, 1.25)	1.03	(0.76, 1.40)		
24 - 34 (1704)	0.83	(0.66, 1.05)	0.88	(0.69, 1.13)		
35 - 49 (2212)	0.51	(0.38, 0.67)	0.62	(0.05, 1.15) (0.45, 0.83)		
Women's working Status ⁺⁺	0.51	(0.50, 0.07)	0.02	(0.45, 0.05)		
Employed (1505)	1.17	(0.94, 1.47)	1.05	(0.76, 1.43)		
Unemployed (4246)	0.91	(0.94, 1.47) (0.80, 1.04)	0.76	(0.63, 0.91)		
Woman and husband age difference ⁺⁺⁺	0.91	(0.80, 1.04)	0.70	(0.03, 0.91)		
Husband younger or same age (83)	0.99	(0.38, 2.62)	1.34	(0.30, 6.33)		
1-5 years older (1488)	1.05	(0.38, 2.02) (0.83, 1.32)	0.68	(0.30, 0.33) (0.49, 0.93)		
6-10 years older (2217)						
> 10 years older (1963)	1.09	(0.91, 1.30) (0.72, 1.07)	0.83	(0.64, 1.06)		
	0.89	(0.73, 1.07)	0.90	(0.68, 1.18)		
Husband's educational attainment [¥]	1.00	(0.99, 1.22)	0.00	(0, 0, 1, 10)		
No education (1378)	1.08	(0.88, 1.33)	0.90	(0.68, 1.18)		
Primary (1669)	1.07	(0.87, 1.33)	0.81	(0.59, 1.10)		
Secondary (2163)	0.90	(0.73, 1.10)	0.74	(0.55, 0.99)		
Higher (541)	1.23	(0.89, 1.71)	0.83	(0.53, 1.30)		

^{\$}Logistic model adjusted for place of residence, division, educational attainment of women, wealth index, religion, number of living children, women's current age, mother's working status, woman and husband age difference, husband's educational attainment.

*Logistic model adjusted for the entire confounding variables given above excluding place of residence.

**Logistic model adjusted for the entire confounding variables given above excluding division.

****Logistic model adjusted for the entire confounding variables given above excluding educational attainment of women.

[#]Logistic model adjusted for the entire confounding variables given above excluding wealth index.

##Logistic model adjusted for the entire confounding variables given above excluding religion.

^{###}Logistic model adjusted for the entire confounding variables given above excluding number of living children.

⁺Logistic model adjusted for the entire confounding variables given above excluding women's current age.

- ⁺⁺Logistic model adjusted for the entire confounding variables given above excluding women's working status.
- ⁺⁺⁺Logistic model adjusted for the entire confounding variables given above excluding woman and husband age difference.

[¥]Logistic model adjusted for the entire confounding variables given above excluding husband's educational attainment.

IV. Discussion

In this study, an initiative has been taken to identify the relationship between husband's involvement with healthcare decision making and women's future intention of using contraceptives in Bangladesh. It is observed that among the currently non-users of contraceptives about 44% women don't have the future intention of using contraceptives. This indication of not having an intention to use contraceptives by this huge number of non-user women has a serious effect on the improvement of current contraceptive prevalence rate (CPR). The increase of CPR is necessary to decrease high fertility rate and for the betterment of maternal as well as child health.²² It is detected that among the women who don't have any formal education approximately 72% of them don't have future intention to use contraceptives. Similarly, amid the women whose husbands don't have formal education, 58% don't have the future intention of using contraceptives. This indicates that education is a crucial factor to increase CPR.

The findings of the study indicate that there is a significant association between husband's involvement with healthcare decision making and women's future intention of using contraceptives. The women who report that their husbands take their healthcare decision single-handedly are 18% less likely to have the intention of using contraceptives in future. Thus the absolute power of the husbands about taking healthcare decision of their wives is an important barrier for the women's future intention of using contraceptives in Bangladesh. These results are similar to the findings of other developing countries.^{15,16,21}

The association between husband's involvement with healthcare decision making and women's future intention of using contraceptives is significant among rural women and not significant in the midst of urban women. This is because urban women are more aware of family planning services than rural women and the availability of these services in urban areas. Since the Muslim families are more restrictive about family planning, the association becomes significant among Muslim women. As the women from middle-class families, having already more than two children, from age group 35 to 49 year have less independent choices, the association between husband's involvement with healthcare decision making and women's future intention of using contraceptives turns out to be significant. Similarly, the association is significant among unemployed women because they rely mostly on their husbands. Hence the obstacle of husband's influence on woman's intention of using contraceptives has to be

addressed by the family planning authority to increase CPR in Bangladesh.

V. Conclusion

Women's future intention of using contraceptives is a vital indicator to evaluate the demand of family planning. Likewise, who is the health care decision maker for the women of reproductive age is an important indicator to assess women's health in Bangladesh. This study indicates that husbands' involvement with healthcare decision making has significant impact on women's future intention of using contraceptives. Particularly the relationship is substantial among the women in rural area, from middle income families, who are Muslim, having more than two living children, having current age 35 to 49, who are unemployed, whose husbands are 1 to 5 years older and secondary educated. The significant association emphasizes the need of aiming male people for their larger participation in contraception oriented programs. This study has several limitations. It is incapable to judge why and how a husband's health care decision making power influences a woman's future intention of using contraception. This study is not capable to take into account the possible effect of unmet contraceptive requirements of women in Bangladesh. It is also unable to adjust the past experiences of the respondents (like side effects of the contraceptives) which may manipulate the tendency of using contraceptives in future.

The study findings suggest that husbands' involvement with healthcare decision about their wives has substantial influence on wives' future intention of using contraceptives. The following recommendations are made based on the analysis of this study to increase the contraceptive prevalence rate in Bangladesh.

- (i) Awareness programs should be taken to instruct husbands about reproductive health matters, contraceptives, women's health, pregnancy, birth spacing etc.
- (ii) Innovative approaches are needed to make the husbands cooperative with their wives especially in healthcare related issues such that they can make health care related decision jointly.
- (iii) Husbands' decision making power has significant impact on women's future intention of using contraceptives in rural and middle income families. Thus, planners should address male attitude about contraceptive use in rural areas and in middle income families.

- (iv) The significant association among the women who are unemployed, having more than two living children, having current age 35 to 49strengthens the necessity of targeting these groups by the government.
- (v) Husbands should be made as facilitators for the overall improvement of reproductive health condition in Bangladesh.

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