RESEARCH

Men's involvement in family planning service utilization among married men in Kondala district, western Ethiopia: a community-based comparative crosssectional study

Lemessa Assefa¹, Zemenu Shasho², Habtamu Kebebe Kasaye³, Edao Tesa⁴, Ebisa Turi¹ and Ginenus Fekadu^{5,6*}

Abstract

Background: Men involvement is one of the important factors in family planning (FP) service utilization. Their limitation in the family planning program causes a decrease in service utilization as well as the discontinuation of the method which eventually leads to failure of the program. Family planning uptake is low but there is no enough study conducted on the parameters of husband involvement in Ethiopia. Hence, this study focused to assess men's involvement in family planning service utilization in Kondala district, western Ethiopia.

Methods: Community based comparative cross-sectional study design was employed in urban and rural kebeles of kondala district using quantitative and qualitative data collection tools. The multi-stage sampling method was employed to select 370 participants from each of the four urban and eight rural kebeles. Logistic regression analysis was used to identify variables that affect husbands' involvement in FP service utilization. Statistical significance was declared at p-value of < 0.05 with 95% confidence interval (CI) and strength of association was reported by odds ratio (OR).

Results: The study showed that 203(55.6%) men from urban and 178(48.8%) from rural were involved in FP service utilization. The median age of the respondents was 36+ 8.5 years (IQR: 27.5-44.5) in urban and 35 years (IQR: 25-45) in rural parts. Respondents who had four and above current children (AOR = 3.25, 95%CI = 1.51-7.02) in urban and (AOR = 4.20, 95%CI = 1.80–9.79) in rural were positively associated with men's involvement in FP service utilization. In the urban setting, being government employee (AOR = 2.58, 95%Cl = 1.25–5.33), wishing less than two children (AOR = 3.08, 95%Cl = 1.80–5.24) and having a better attitude towards FP methods (AOR = 1.86, 95%Cl = 1.16–2.99) were positively associated with FP service utilization. While good educational background (AOR = 2.13, 95%CI = 1.02-4.44), short distance from home to health facility (AOR = 2.29, 95%CI = 1.24-4.19) and having better knowledge (AOR = 4.49, 95%CI = 2.72–7.38) were positively associated with men involvement in FP service utilization in the rural area.

(Continued on next page)

* Correspondence: take828pharm@gmail.com

BMC

⁵Department of Pharmacy, Institute of Health Sciences, Wollega University,

P.O Box:395, Nekemte, Oromia, Ethiopia ⁶School of Pharmacy, Faculty of Medicine, The Chinese University of Hong

Kong, Shatin, New territory, Hong Kong

Full list of author information is available at the end of the article



© The Author(s), 2021 Open Access This article is licensed under a Creative Commons Attribution 4.0 International License.

which permits use, sharing, adaptation, distribution and reproduction in any medium or format, as long as you give

Open Access



(2021) 6:16

(Continued from previous page)

Conclusion: Low involvement of men in family planning service utilization was reported in both settings. Factors associated with husbands' involvement were varied between the two setups, except for the current number of children. Future FP program should incorporate infrastructure associated with the health facility, knowledge, and attitudinal factors.

Keywords: Men's involvement, Family planning, Service utilization, Ethiopia

Background

Men involvement in family planning (FP) means that those participated by using family methods by themselves or made discussion with their wives on family planning, support and approve its utilization [1-5]. The most efficacious means of controlling population growth were pursued to turn the family planning reasoning on its head rather than looking to women's adoption of family planning as the source of social change [6–8]. Traditionally the concept of reproductive health was more overemphasized on the females. However, from the day International Conference on population and Development (ICPD) made paradigm shift, men's started to share responsibility and promote their active participation in liable parenthood, sexual and reproductive behavior including family planning [9, 10].

Family planning programs have paid attention primarily on women, though some studies suggest that involving males and obtaining their support and encouragement to family planning is of crucial importance, especially in developing countries where decision making are influenced by the men [7, 11–13].

Women are denied the use of contraceptives by her husband when tried to point out the involvement of the husband especially in decision making in reproductive health like in family planning [14, 15]. On the other hand, even if the wife wants to use family planning, she may not be able to use it or maybe forced to discontinue the method without the involvement of the males on the service [16]. A number of pocket research articles revealed that joint decision making and communications with partners in family planning issues will not only improve contraceptive utilization but also plays paramount role in averting discontinuation of the methods [14, 17, 18]. Men's health status and behavior affect women's health and reproductive health [6, 19]. Involving them increases their awareness, acceptance and support to their partners' needs, choices and rights [6, 8]. Men's involvement is also crucial to the success of family planning programs including the use of modern contraceptives [18-21]. They play this role by actively participating in family planning by using the method and discussion, decision making, support and approval of the service utilization by their wives, relatives and friends [7, 16, 22].

In many developing countries, several studies showed that men's involvement brought a significant change in FP utilization. However, their involvement is still low in the patronage of family planning services [11, 15, 16, 23]. In Ethiopia, several studies have conducted in different parts of the country which concerned male involvement in reproductive health as well as in the utilization of family planning [4, 12, 14, 24, 25]. In this country, the husband has a great role in approving/disapproving the utilization of family planning services by their wives based on several barriers among these religions and cultures are stated to play negative influence on them [7, 24]. This is because in many developing countries like Ethiopia males often dominate in taking important decisions in the family including contraceptive use by their wives [18, 24].

Men as a decision-maker need to inform their wives to use FP and the discussion between the couples also play an important role in family planning. What was known by several studies as major factors to male involvement in family planning services utilization includes influence of culture and religion, perception towards family planning as women's issue, lack of education of husband, sex preference for inheritance and fear of partner sexual promiscuity [19, 26, 27] . The presence of culture considers the husband as a decision-maker related to reproductive health, more specifically FP and it impeded the progress of service over the period despite the efforts being implemented to raise the utilization of FP services [19, 26]. These make low participation of the husband which has negative effects on the effectiveness of FP program as shown by studies conducted in several towns [19, 24, 27].

In Ethiopia even though the family planning uptake is low [28], most of the studies conducted on the parameters of male involvement and its determinants are conducted in the urban areas [29]. Little is known regarding male involvement in family planning utilization in the rural areas including the Kondala district. This study result creates an opportunity for couples to know about factors associated with husband involvement in family planning service utilization and can be used to revise the existing strategies and to design new ones to solve the problem associated with the program. Hence, the study aimed to explore the male involvement in family planning service utilization and associated factors in kondala district, Western Ethiopia.

Methods

Study area, period and design

Community based comparative cross-sectional study design was employed in urban and rural kebeles of kondala district from April to May 2019. Kondala district is found in the West Wollega zone, Oromia regional state, Ethiopia located 633 km away from Addis Ababa. The total population living in this district is about 1, 32,655 of whom 67,008 are males and 27,636 households. The district comprises a total of 36 kebeles, 32 rural and 4 urban kebeles. The major economic activities of the district are traditional farming and few of them are engaged in trading. The healthcare delivery within the district is carried out through 4 health centers, 33 health posts and 30 private clinics of different levels and one drug store. Family planning services are mainly obtained from public health institutions [30].

Eligibility criteria Inclusion criteria

- Men who were living together with their wives.
- Men who lived with their wives for at least in the past one year.
- Participants were expected to spend at least the past six months in the study area.

Exclusion criteria

• Men who were living in semi-urban kebele.

Study variables

Dependent variable

Male involvement in family planning service utilization.

Independent variables

- Socio-demographic characteristics: Age, family size, religion, ethnicity, residence, educational status, occupation, and family income
- Reproductive health characteristics: Marriage duration, number of living children, knowledge regarding FP methods, the ideal number of children, attitude toward FP methods, health concern (fear of side effect, infertility, and low libido)

Sample size determination and sampling techniques

The sample size was determined using a formula for estimation of double population proportion considering the following assumptions: level of significance (0.05), power (0.80), the proportion of husband who supports their wives to use contraceptive in urban (60%), and proportion of husband who supports their wives to use contraceptive in rural women (44.9%) [21]. The design effect and non-response rate were considered.

$$n = \left(Z_{\alpha/2} + Z_{\beta}\right)^2_{\ *} \left(p_1(1{-}p_1)_+ \ p_2(1{-}p_2)\right) / (p_1{-}p_2)^2;$$

Where; -.

 $Z\alpha$ = the z-score corresponding to the 95% confidence level which is 1.96.

 Z_β $_=$ is the critical value of the normal distribution at β which is 0.84

$$n = \frac{(1.96 + 0.84)2*0.60(1 - 0.060) + 0.449(1 - 0.449))}{(0.60 - 0.449)2} = 168$$

By consideration of the design effect of 2 and the nonresponse rate of 10%, the total sample sizes were 370 from urban and 370 from rural kebeles.

The multi-stage sampling method was used in the sampling technique. Out of 32 rural kebeles, 8 kebeles were taken by simple random sampling and 4 urban kebeles were taken purposively. Households were sampled by a systematic random sampling method and the husband was asked from the household. The first households were selected by using the lottery method and the sample was taken every other Kth household until the required numbers of eligible husbands were recruited in the kebele. The K factor was derived from the formula K = N/n, where N is the total number of households in the kebele which were taken from district health office and n = sample size assigned for each kebele. Sample sizes for each rural and urban kebeles were allocated proportionally. If the husband has more than one partner/wife in one household, the husbands were asked for one partner taken by lottery method. In the case where the respondents were not found at the time of the study, a repeat visit was made for at least three times.

Data collection process

Data was collected using quantitative and qualitative data collection tools. Quantitative data was collected using interviewer-administered structured questionnaires. The questionnaire was developed by the investigators after extensive review of literatures [19, 29, 31– 33]. The questionnaire included socio-demographic characteristics, knowledge on family planning methods, the attitude of the husband towards family planning and husband involvement in family planning service utilization. Three health officers were assigned as research supervisors and six clinical nurses were trained and undertook the overall data collection activities under the immediate supervision of the principal investigator.

Focus group discussion (FGD) was conducted among purposively selected groups of key informants of the kebele to collect qualitative information on male involvement and factors associated with husband participation in family planning in the study area. The qualitative data was used to support the quantitative findings and it was carried out by the principal investigator. Three focus group discussions from urban kebeles and four from rural kebeles were conducted.

The groups were assigned according to their age; 18– 39 years and 40 years or more. Each focus group comprised of 6 to 8 persons. The interviews and discussions were held in Afan Oromo language. The interview guide included questions on knowledge and attitude toward family planning, as well as factors towards male involvement in family planning. The principal investigator took data from FGDs by sound recording using mobile phone and notes.

Data quality control and management

Questionnaires were translated to the regional language and then back translated to English to maintain its consistency. The training was given for data collectors and pretest was made on 5% of the study subjects in Gimbi district that have similar socio-demographic characteristics with the people of the study area before the actual data collection. The supervisors and principal investigators were performed immediate supervision daily. Every completed questionnaire was checked for its completeness and consistency.

Measurement

Men involvement in family planning service utilization

Based on the summative score of questions designed to assess husband involvement in FP services utilization, husband those who score 60% and above were considered as having better involvement in FP services and those who score less than 60% were categorized as not involved [19].

Men's attitude towards FP service utilization

To assess husband's attitude towards involvement in F/P service utilization and they asked to answer five attitude related questions, which were a three points Likert's scale. Based on the statements assessing attitude, the mean score of the distribution was considered as having positive attitude and those who score less than the mean value were categorized as negative attitudes towards family planning service utilization [19].

Knowledge about family planning methods

Refers to the husband's knowledge of different family planning methods, which is based on knowledge question. Based on the summative score of questions designed to assess knowledge, men with above the mean of the distribution was considered as having adequate knowledge and those who score less than the mean value were categorized as not having adequate know-ledge [19].

Data processing, and analysis

The collected data were coded and entered into EPI info version 7.2.2.6 before the analysis. Then, data were exported and analyzed using Statistical Package for Social Sciences (SPSS) version 25. Mean and standard deviation as well as the median and interquartile range (IQR) was calculated for continuous variables, whereas frequency and proportion were calculated for categorical variables. The result was summarized and presented by statements, tables and graphs. Furthermore, binary logistic regression analysis was used to identify factors that affect husband involvement in family planning.

Variables having 0.25 and less *p*-value in bi-variable logistic regression model were candidates for multivariable logistic regression model. The multi-variable logistic regression model was used to control the effect of confounding variables and the strength of association of predictor variables was assessed using odds ratio (OR) and significance of variables was reported at *p*-values < 0.05 using 95% CI. Model fitness was assessed by Hosmer and Lemeshow goodness of fit test (accepted with p > 0.05) and multicollinearity was assessed by variance inflation factor (VIF). Histogram and skewness were used for the normality check. Qualitative data were transcribed and back translated to English version, by senior experts, and the ideas rearranged according to their thematic area manually. Lastly, information linked and analyzed to its congruence with data obtained through interviewer-administered structured questionnaires.

Results

Socio-demographic characteristics of the study participants

A total of 365(98.6%) participants from urban and 364 (98.4%) from rural have participated in the study with a response rate of 729(98.5%). The median age of the respondents was 36 years (IQR: 27.5–44.5) in urban and 35 years (IQR: 25–45) in rural parts. Most husbands in urban 128(35.1%) attended secondary school and 120(33%) of rural areas attended primary school. Up on Chi-square (χ 2) test, there is significant difference between urban and rural in terms of educational status, ethnicity, occupation and length of time spent to reach the family planning clinic (Table 1)

Reproductive health characteristics of the respondents

Most of the respondents in both settings had duration of ≥ 5 years of marriage [319(87.4%) in urban and 285(84.3%) in rural areas]. The median age at first marriage of the respondents was 24 (IQR: 18–30) among

urban and 20 (IQR: 14–26) among rural participants. The mean (\pm SD) number of current children per husband was 3.44 \pm 2.2 in urban setting and 3.6 \pm 2.4 in rural settings (Table 2).

Knowledge of husbands towards family planning methods

Overall, knowledge about family planning service utilization was 233(63.8%) in urban and 199(54.7%) in rural areas. In both settings, most of the husbands have ever heard about the family planning methods [361(98.9%) in urban and 352(96.7%) in rural areas]. Out of total study participants, 309(84.7%) in urban and 305(83.8%) in rural have heard about family planning methods from television and radio, respectively (Table 3). The benefit of family planning methods was mentioned mostly as birth spacing among 294(80.5% in urban and 282(77.5%) in rural participants (Fig. 1).

The most reported family planning method was injectable both in urban 334(91.5%), and rural area 323(88.7%) (Fig. 2)

Most of the respondents [330(90.4%) in urban and 320(87.9%) in rural areas mentioned injectable as safest family planning method for females. About 299(81.9%) in urban and 264(72.5%) in rural area reported condoms as safest family planning method for men. Around 245(67.1%) of husband in urban and 243(66.8%) in rural area knew safe method of family planning as injectable (Fig. 3).

Family planning methods available for utilization identified during the study was injectable both in urban 260(71.2%) and rural areas 240(65.9%). According to their responses, most of the respondents were going to health center to use family planning, 295(80.8%) and 279(76.6%) in urban and rural, respectively. More than half of the participants in both rural and urban faced challenges to be engaged in family planning. About 74(20.3%) in urban and 129(35.4%) in rural of the respondents reported that negative community participation is among the most common challenges faced by the husbands to engage in family planning (Table 3).

The attitudes of husbands towards the involvement of family planning service utilization were assessed whether they had an interest to involve or not in the services. Husband's opinions about their roles in FP service utilization were assessed on a five-tier scale of strongly agree, agree, neutral, disagree and strongly disagree. Accordingly, about half 188(51.5%) of respondents from urban disagreed that FP issue should concern only women and 135(37.1%) of husband from rural strongly disagreed. In FGD majority of the participants stated, *"By nature men cannot give birth; it is the women who give birth, so they should use family planning and not husband" (FGD community 1 from urban).* However;

some participants raised "It is not only women who face problems when the children lack what to eat, wear and materials for education so the family planning issue also concerns the men" (FGD community 3 from the urban).

The study showed that about 159(43.6%) husbands from urban agreed that spouses can seek FP services without permission from husband but 117(32.1%) from rural strongly disagreed. About 158(43.3%) of husband from urban and 52(14.3%) from rural areas agreed that FP practice reduces confidence between husband and wife.

About 128(35.1%) of respondents from urban indicated neutral to discussion of FP issue with women as it is taboo and 133(36.5%) from rural strongly disagreed. About 91(24.9%) from urban strongly agreed that it is only women who are promiscuous that use FP without their husband consent and 72(31.6%) from rural indicated as they were strongly agreed. Generally, 204(55.9%) of urban and 102(28%) of rural husbands had a positive attitude towards contraceptive methods (Table 4).

Involvement of husbands in family planning service utilization

The study revealed that out of study participants, 203(55.6%) with 95%CI (50.5-60.7) in urban and 178(48.9%) with 95%CI (44-54) in rural were involved in family planning service utilization by using or by encouraging their wives. About 135(37%) and 94(25.8%) of husbands in urban and rural have ever used condoms, respectively (Table 5). In FGD some participants stated that "The perception of our community is not good and makes you not to use and support women on family planning usage, you perceived as you are jobless if you support your wife by accompanying her to health facility"(FGD community 4 from rural). "Using condom is not comfortable, I remember last two years I used after Dr. ordered me to use condom as not to transmitted to my wife when I become ill with sexual transmitted disease" (FGD community 2 from urban). "Using family planning is seen as acting opposite of Allah. Creator blessed human being as reproduce and fill the earth" (FGD community 4 from rural). Similar responses were given in other group discussions.

According to participants responses, 272(74.5%) from urban and 212(58.2%) from rural married men discussed family planning with their partner in the last 1 year. Of those who discussed about family planning 214(58.6%) from urban and 136(37.4%) from rural husbands were initiated the discussion on family planning issues (Table 5). In FGD some participants stated; *"The current situation in terms of economic hardship cannot be explained and this factor ordered you to limit the number of children this was why we ordered to discuss with our wife*

Socio-demographic variables		Urban (= 365)	Rural (=364)	p-value
Age (years)	20-30	78(21.4%)	98(26.9%)	0.14
	31–40	196(53.7%)	184(50.5%)	
	41-50	80(21.9%)	62(17%)	
	> 50	11(3%)	15(4.1%)	
Educational status	No formal education	55(15.1%)	120(33%)	< 0.001*
	Primary school	87(23.5%)	120(33%)	
	Secondary school	128(35.1%)	67(18.4%)	
	Diploma and above	95(26%)	57(15.7%)	
Ethnicity	Oromo	340(93.2%)	277(76.1%)	< 0.001*
	Amhara	11(3.0%)	9(2.47%)	
	Tigre	5 (1.37%)	4 (1.1%	
	Мао	9(2.5%)	74(20.3%)	
Religion	Protestant	74(20.3%)	41(11.3%)	0.001*
	Orthodox	71(19.5%)	58(15.9%)	
	Muslim	220(60.3%)	265(72.8%)	
Occupation	Merchant	106(29%)	28(7.7%)	< 0.001*
	Government employee	97(26.6%)	32(8.8%)	
	Farmer	93(25.5%)	287(78.8%)	
	Daily worker	69(18.9%)	17(4.7%)	
Length of time spent	< 30 min	340(93.2%)	112(30.8%)	< 0.001*
to reach the family planning clinic	30–60 min	25(6.8%)	137(37.6%)	
	<u>></u> 60 min	-	115(31.6%)	

Table 1 Socio-demographic variables of husbands in urban and rural kebele of Kondala district, Western Wollega, Ethiopia, 2019

Note: *Statistically significant at p < 0.05

Table 2 Reproductive health characteristics of the study participants, in Urban and rural kebele of Kondala district, West Wollega, Ethiopia, 2019

Reproductive health characteristics		Urban, n (%)	Rural, n (%)	p-value
Duration of marriage (years)	0–5	46(12.6%)	79(21.7%)	0.002*
	<u>></u> 5	319(87.4%)	285(78.3%)	
Age at first marriage	15–19	50(13.7%)	95(26.1%)	< 0.001*
	20-24	160(43.8%)	166(45.6%)	
	25–29	114(31.2%)	73(20.1%)	
	<u>></u> 30	41(11.2%)	30(8.2%)	
Current number of children	None	60(16.4%)	58(15.9%)	0.81
	1–3	117(32.1%)	110(30.2%)	
	<u>></u> 4	188(51.5%)	196(53.8%)	
Desired number of children	1–2	11(3%)	22(6%)	0.007*
	3–4	152(41.6%)	116(31.9%)	
	<u>></u> 5	202(55.3%)	226(62.1%)	
Birth interval (years)	> 2	124(33.8%)	140(38.5%)	0.32
	3–4	123(33.7%)	105(28.8%)	
	3–4	83(22.7%)	76(20.9%)	
	> 4	35(9.6%)	43(11.8%)	

Note: *Statistically significant at p < 0.05

 Table 3
 Knowledge of study participant towards family planning in urban and rural kebele of Kondala district, West Wollega, western Ethiopia, 2019

Knowledge of study participant towards family p	blanning	Urban, n (%)	Rural, n (%)
Ever heard about FP	Yes	361(98.9%)	352(96.7%)
	No	4(1.1%)	12(3.3%)
Source of information	Radio	212(58.1%)	305(83.8%)
	TV	309(84.7%)	130(35.7%)
	Health professional	267(73%)	280(76.9%)
	Neighbor	162(44.4%)	152(41.8%)
	Friends	194(53.2%)	176(47.4%)
	Wife	226(61.9%)	214(58.8%)
	Poster	205(56.2%)	191(58.8%)
	Other	54(14.8%)	22(6%)
Know side effect of FP	Yes	261(71.5%)	254(69.8%)
	No	100(27.4%)	98(26.9%)
side effect of FP experienced by their partner	Vomiting	108(29.6%)	95(26.9%)
	Abnormal menstrual	264(72.3%)	225(61.8%)
	Unwanted weight gain	152(41.6%)	139(38.2%)
	Headache	181(48.6%)	193(53%)
FP used by their partner	Pills	309(84.7%)	312(85.7%)
	Injectable	330(90.4%)	320(87.9%)
	Implant	255(69.9%)	236(64.8%)
	Loop	220(60.3%)	183(50.3%)
	Condom	119(32.6%)	99(27.2%)
	Calendar	136(37.6%)	127(34.9%)
	Permanent	197(54%)	167(45.9%)
	Breast feeding	208(57%)	178(48.9%)
FP for male	Condom	299(81.9%)	264(72.5%)
	Permanent	204(55.9%)	180(49.5%)
	Withdrawal	185(50.7%)	160(44%)
	Periodic Abstinence	189(51.8%)	156(42.9%)
	l don't know	37(10.1%)	53(14.6%)
FP available for utilization	Pills	225(61.6%)	212(58.2%)
	Injectable	260(71.2%)	240(65.9%)
	Implant	146(40%)	120(33%)
	Loop	107(29.3%)	75(20.6%)
	Condom	211(57.8%)	196(53.8%)
	l don't know	14(3.8%)	22(6%)
Where FP can be got	Hospital	107(28.9%)	87(23.9%)
	Health center	298(80.5%)	279(76.6%)
	Health post	145(39.2%)	161(44.2%)
	Private clinic	208(57%)	164(45.1%)
	Other	21(5.8%)	18(4.9%)
FP clinic arrangements special for male	Yes	177(48.5%)	162(44.5%)
	No	184(50.4%)	190(52.2%)
Any challenge to be involved in FP	Yes	194(53.2%)	190(52.2%)

Table 3 Knowledge of	udy participant towards family planning in urban and rural kebele of Kondala district, West Wollega,	
western Ethiopia, 2019	ontinued)	

Knowledge of study participant towards family planning		Urban, n (%)	Rural, n (%)	
	No	167(45.8%)	162(44.5%)	
Challenges faced by Men's to be involved in FP	Inadequate awareness of existing FP	34(9.3%)	63(17.3%)	
	Religious prohibition	50(13.7%)	99(27.2%)	
	Culture	58(15.9%)	83(22.8%)	
	Shyness	70(19.2%)	123(33.8%)	
	Negative community participation	74(20.3%)	129(35.4%)	
	Lack of male FP service providers	31(8.5%)	60(16.5%)	
	Fewer contraceptive choices for men	43(11.8%)	66(18.1%)	

and told her she had used family planning so that we can take good care for ourselves and our children"(FGD Community 2 from Urban). "Allah who gives you a child will not ignore you on their growth no need of discussion on this matter" (FGD community 3 from rural). "Sometimes children can be counted as an asset; they will support you when you become old. There was a person who die without any care and buried without respect like other animals because he has no child, therefore the discussion that inhibits childbirth is not goods" (FGD Community 4 from rural).

About 212(58.1%) and 144(39.6%) of the husbands from the urban and rural, respectively approved the use of family planning methods (both the male and female method). The main reasons for disproval were desire to have more children in both urban 105(28.8%) and rural 107(29.4%) parts of the respondents (Table 5). In qualitative part (FGD) participants stated that; – "The type of our occupation makes us have more children; let God show you if the children limited to 3 or 4 who can act as housekeeper, shepherd, who should help the father at farming place and who should help the mother at home this is why family planning usage can be disapproved" (FGD community 1 from Rural). "Ahh Women cannot be obeyed if they not caught at least by two to three years with birth-giving" (FGD community 3 from rural).

About 222 (60.8%) from urban and 178(48.9%) from rural husbands' partners were used family planning and the most preferred contraceptive method in urban was implant 220(60.3%) and injectable 182(50%) in rural area. The main reason reported for utilization of family planning method was for child spacing in both setting 196(53.7%) and 138(37.9%) in urban and rural respectively. The study also revealed that around 266(72.9%) of urban and 193(53%) of rural husbands have supported their wives. About 257(70.4%) of husbands in urban supported by accompanying their wives to health facility and 190(52.2%) from rural supported by financial. About 67.7% from urban and 52.2% from the rural support their wives psychologically.

In FGD, most participants they stated that;-"In the past 3 three years my wife bleeds profusely on delivery





and it was only God intervention that safe my wife after that we have decided to use family planning and my support was never stopped starting from that occasion even I am going with her the health center" (FGD community 2 from rural). "It is good to support partners in family planning usage because the women can forget the appointment and unwanted childbearing might have happened" (FGD community 1 from urban). Other participants did not see its importance and they stated, "It feels you shy to accompany women for family planning services to health facility. It is good if men with men and women with women" (FGD community 2 from rural).



Table 4 Attitude of husbands concerning family planning service utilization in urban and rural kebele of Kondala district, WestWollega, western Ethiopia, 2019

FP issue should concern only women Strongly agree 80,1996, 4gree 39(1079), 4gree 39(1079), 4gree 39(1079), 4gree 39(1079), 4gree 39(1079), 4gree 39(1079), 39(1079), 39(1079) 39(1079), 39(1079), 39(1079) 39(1079), 39(1079), 39(1079), 20(1199) 39(1079), 39(1	Attitude of husbands		Urban, n (%)	Rural, n (%)
AgreeAgree26/0%)40/18%Nutral180515%3024%)Spouse can seek PF tendres without permission from husbandStrongly disagree2013%)2015%Agree1962.2%)2012%)2012%Nutral1962.2%)2012%2012%P practice reduces confidence bin husband and wifeStrongly disagree3010.7%2012%)P practice reduces confidence bin husband and wifeStrongly disagree3010.7%2013%)P practice reduces confidence bin husband and wifeStrongly disagree3010.7%2014.3%Agree1910.7%2014.3%2014.3%Agree2017%400.3%2014.3%Agree2017%400.3%2014.3%Agree2018%2014.3%2014.3%Its aboo for men to discuss with women about FPStrongly disagree818.85%2014.3%Nutral12013%301.3%302.3%301.3%Agree1101.6%301.3%301.3%301.3%Its only women who are promiscuous that use FP without their husband consentStrongly disagree314.5%301.3%Agree314.5%301.3%301.3%301.3%301.3%Agree314.5%301.3%301.3%301.3%Agree314.5%301.3%301.3%301.3%Agree314.5%301.3%301.3%301.3%Agree314.5%301.3%301.3%301.3%Agree314.5%301.3%301.3%301.3%Agree314.5%301.	FP issue should concern only women	Strongly agree	8(2.19%)	39(10.7%)
NatrialNatrial91(10%)92(14%)Spouse can seek FP services without permission from hubbandStrongly diagree28(6.3%)28(2.4%)Spouse can seek FP services without permission from hubbandStrongly diagree28(6.3%)27(14.3%)Agree925.2%)48(2.3%)77(15%)Practice reduces confidence bin hubband and wifeStrongly diagree88(18.6%)17(13.1)Practice reduces confidence bin hubband and wifeStrongly diagree88(18.6%)27(14.3%)Agree158(4.3%)27(14.3%)27(14.3%)Agree158(4.3%)27(14.3%)27(15%)Agree88(18.6%)1263(4.6%)1263(4.6%)It is abao for men to discuss with women about FPStrongly agree28(7.3%)28(2.3%)Nutrial1862.3%)71(15%)31(15%)31(15%)Agree31(13%)13(15%)31(15%)31(15%)It is only women who are promiscuous that use FP without their hubband consettStrongly diagree31(15%)31(15%)Mumpan Agree31(15%)31(15%)31(15%)31(15%)31(15%)Only men need to decide on family planningStrongly diagree34(14%)36(2.8%)31(15%)Only men need to decide on family planningStrongly diagree34(14%)36(2.8%)Only men need to decide on family planningStrongly diagree34(14%)36(2.8%)Only men need to decide on family planningStrongly diagree34(14%)36(2.8%)Prenetod decrease sexual urgeStrongly diagree34(14%)<		Agree	26(7.1%)	43(11.8%)
DisagreeIseafter18811-5%83228%Spouse can seek FP services without permission from husbandStorogly diagree26(0.1%)125(2%)Agree15943.6%)52(1.4%)Neural05(2.5%)40(2.1%)Paractice reduces confidence b/n husband and wifeStorogly agree87(0.7%)126(2.3%)FP practice reduces confidence b/n husband and wifeStorogly agree87(0.7%)22(1.4%)Neural20(3.5%)22(1.4%)22(1.4%)Neural20(3.5%)22(1.4%)22(1.4%)Neural20(3.5%)22(1.4%)22(1.4%)Neural20(3.5%)22(1.4%)22(1.4%)Neural20(3.5%)22(1.4%)22(1.4%)Neural20(3.5%)22(1.4%)22(1.4%)Neural20(3.5%)22(1.4%)22(1.4%)Neural20(3.5%)22(1.4%)22(1.4%)Neural20(3.5%)22(1.4%)22(1.4%)Neural20(3.5%)22(1.4%)22(1.4%)Neural20(3.5%)22(1.4%)22(1.4%)Neural1802.3%)12(1.4%)22(1.4%)Neural1802.3%)12(1.4%)22(1.4%)Neural1802.3%)12(1.4%)22(1.4%)Neural1802.3%)12(1.4%)22(1.4%)Neural1802.3%)12(1.4%)22(1.4%)Neural1802.3%)12(1.4%)22(1.4%)Neural1802.3%)12(1.4%)22(1.4%)Neural1802.3%)12(1.4%)22(1.4%)Neural1802.3%)		Neutral	59(16.2%)	52(14.3%)
Stongly diagree80219%1352788Spouse can seek FP services without permission from husbandStongly agree20(3%)20(8%)Neutral19(35%)20(3%)20(3%)Neutral19(35%)20(3%)84(33%)Spouse can seek FP services without permission from husbandStongly diagree80(86%)117321)FP practice reduces confidence b/n husband and wifeStongly diagree80(86%)20(3%)FP practice reduces confidence b/n husband and wifeStongly diagree60(86%)20(3%)Agree158(43%)20(3%)74(03%)Neutral3493%)74(03%)74(03%)Agree60(16%)126(36%)126(36%)It is aboo for men to discuss with women about FPStongly diagree60(17%)74(03%)Neutral20(3%)20(3%)74(03%)20(3%)Neutral20(3%)20(3%)74(03%)20(3%)It is only women who are promitscuous that use FP without their husband consentStongly diagree61(18%)153(16%)Neutral80(23%)91(24%)81(25%)71(9%)Orly men need to decide on family planningStongly diagree84(14%)80(25%)Orly men need to decide on family planningStongly diagree61(18%)10(3%)P methods discnease sexual urgeStongly diagree61(14%)20(3%)P methods discnease sexual urgeStongly diagree61(14%)20(3%)P methods discnease sexual urgeStongly diagree81(38%)10(3%)P methods discnea		Disagree	188(51.5%)	83(22.8%)
Spouse can seek FP services without permission from husbandStrongly agree246.9%)247.9%)Agree1943.0%)521.43%)17.721.3%)Neutral195.25.3%)84.23.1%)17.721.1%FP practice reduces confidence b/n husband and wifeStrongly disagree69.10.8%)17.721.1%Practice reduces confidence b/n husband and wifeAgree08.10.8%)26.71%)Agree15.843.3%26.71%)24.03%)Neutral34.93%)74.03%)74.03%)Diagree60.17%)74.03%)74.03%)Strongly diagree68.16%)126.34%)74.03%)Neutral28.07%)28.07%)28.07%)28.07%)It saboo for men to discuss with women about FPStrongly diagree80.17.3%)126.34%Numan approximation approximation of the permission from husband consentStrongly diagree81.07.3%)133.05%It is only women who are promiscuous that use FP without their husband consentStrongly diagree81.04.3%)133.06%Numan approximation approximation of the permission from husbang and permission from husbang approximation of the permission approximation of the permission approximation of the permission approximation		Strongly disagree	80(21.9%)	135(37.1%)
Agree159(43.6%)52(14.3%)Neutral19(5.2%)72(12.3%)Paratice reduces confidence b/n husband and wifeStrongly disagree68(18.6%)117(32.1)FP practice reduces confidence b/n husband and wifeStrongly disagree68(18.6%)26(7.1%)Agree158(43.3%)52(14.3%)74(0.3%)Disagree68(18.6%)74(0.3%)74(0.3%)Disagree68(18.6%)126(3.4%)74(0.3%)Disagree68(18.6%)126(3.4%)74(0.3%)Its taboo for men to discuss with women about FPStrongly agree68(18.6%)126(3.4%)It is only women who are promiscuous that use FP without their husband consentStrongly agree63(17.3%)83(2.8%)It is only women who are promiscuous that use FP without their husband consentStrongly agree63(14.5%)93(10.7%)Neutral86(2.6%)72(1.9%%)Disagree63(14.5%)59(16.2%)Only men need to decide on famity planningStrongly agree48(11.8%)69(13.4%)59(15.9%)Neutral66(2.6%)72(1.9%%)Strongly agree48(13.4%)69(13.4%)P methods decrease sexual urgeStrongly disagree48(13.4%)69(13.4%)59(15.9%)P methods decrease sexual urgeStrongly disagree48(13.4%)10/2944KFP methods decrease sexual urgeStrongly disagree48(13.4%)10/2944KFP methods decrease sexual urgeStrongly disagree48(13.4%)10/2944KFP methods decrease sexual urgeStrongly disagree124(54%)	Spouse can seek FP services without permission from husband	Strongly agree	23(6.3%)	22(6%)
NeutralNeutral19(52%)77(212%)Disagree92(52%)84(23.%)17(321)FP practice reduces confidence b/n husband and wifeStrongly disagree68(18.6%)17(321)FP practice reduces confidence b/n husband and wifeStrongly disagree158(43.3%)26(14.3%)Agree158(43.3%)74(03.3%)74(03.3%)74(03.3%)Neutral49(03.9%)74(03.9%)74(03.9%)74(03.9%)Strongly disagree62(17%)74(03.9%)74(03.9%)It saboo for men to discuss with women about FPStrongly diagree28(5.1%)72(15.9%)Neutral128(35.1%)72(15.9%)72(15.9%)Agree24(6.6%)43(11.8%)72(15.9%)Neutral18(32.3%)118(32.3%)113(36.5%)It is only women who are promiscuous that use FP without their husband consentStrongly disagree31(15.9%)113(36.5%)Neutral68(23.6%)93(10.7%)93(10.7%)93(10.7%)93(10.7%)Neutral68(23.6%)93(10.7%)93(10.7%)93(10.7%)Neutral68(23.6%)93(10.7%)93(10.7%)93(10.7%)Premehods decrease sexual urgeStrongly disagree48(13.2%)107(29.4%)FP methods decrease sexual urgeNeutral40(12.6%)43(11.9%)107(29.4%)FP methods decrease sexual urgeStrongly disagree16(4.6%)43(11.9%)107(29.4%)FP methods decrease sexual urgeStrongly disagree16(4.6%)16(13.9%)107(29.4%)FP methods decrease s		Agree	159(43.6%)	52(14.3%)
Disagree92(25,2%)84(23,1%)FP practice reduces confidence b/n husband and wifeStrongly disagree68(18.6%)117(21)Agree39(0.7%)26(7.1%)4(20.3%)74(20.3%)Agree34(9.3%)74(20.3%)74(20.3%)Neutral34(9.3%)74(20.3%)74(20.3%)Its aboo for men to discuss with women about FPStrongly disagree68(18.6%)74(20.3%)Neutral128(5.1%)74(19.5%)74(9.3%)74(9.3%)Its aboo for men to discuss with women about FPStrongly disagree18(32.3%)83(2.3%)Neutral128(5.1%)71(19.5%)71(19.5%)Diagree118(32.3%)83(2.3%)83(2.3%)Its only women who are promiscuous that use FP without their husband consentStrongly agree81(13.6%)70(19.5%)Neutral66(23.6%)72(19.8%)72(19.8%)72(19.8%)Neutral66(23.6%)72(19.8%)72(19.8%)Neutral68(23.6%)72(19.8%)72(19.8%)Neutral68(13.6%)72(19.8%)72(19.8%)Neutral68(13.6%)72(19.8%)72(19.8%)Neutral68(13.6%)72(19.8%)72(19.8%)Premehods decrease sexual urgeStrongly disagree48(13.8%)62(58%)Agree68(18.6%)62(39%)72(19.8%)Neutral68(13.6%)72(19.8%)72(19.8%)Neutral68(13.6%)72(19.8%)72(19.8%)Neutral68(13.6%)72(19.8%)72(19.8%)Neutral68(13.6		Neutral	19(5.2%)	77(21.2%)
Strongly disagree68(18.6%)117(32.1)FP practice reduces confidence b/n husband and wifeStrongly agree39(10.7%)26(7.1%)Agree158(43.3%)74(23.3%)74(23.4%)Agree62(17%)74(23.4%)74(23.4%)Number of discuss with women about FPStrongly disagree68(18.6%)126(4.6%)12 staboo for men to discuss with women about FPStrongly agree28(7.7%)28(11.8%)Number of discuss with women about FPNumber of Strongly agree18(32.3%)31(13.6%)12 staboo for men to discuss with women about FPStrongly disagree63(17.3%)13(36.5%)12 staboo for men to discuss with women about FPStrongly disagree63(17.3%)13(36.5%)12 staboo for men to discuss with women about FPStrongly disagree53(14.5%)39(12.7%)12 staboo for men to discuss with women about FPStrongly disagree3(11.5%)39(12.7%)12 staboo for men who are promiscuous that use FP without their husband consentStrongly disagree3(11.5%)39(12.7%)12 staboo for men who are promiscuous that use FP without their husband consentStrongly disagree3(11.5%)39(12.7%)12 staboo for men need to decide on family planningStrongly disagree3(11.5%)39(12.7%)13 strongly disagree4(11.5%)3(12.5%)3(12.5%)14 methods decrease sexual urgeStrongly disagree4(13.4%)3(12.7%)FP methods decrease sexual urgeStrongly disagree13(36.5%)3(12.5%)14 method daccompany their partners to FP clinics		Disagree	92(25.2%)	84(23.1%)
FP practice reduces confidence b/n husband and wife Strongly agree 39(10.7%) 26(7.%) Agree 158(43.3%) 52(14.3%) Neutral 34(0.3%) 74(20.3%) Disagree 68(18.6%) 126(44.5%) Strongly disagree 68(18.6%) 126(42.5%) Its taboo for men to discuss with women about FP Strongly disagree 28(7.7%) 22(6%) Agree 24(6.6%) 43(11.8%) Neutral 126(35.1%) 71(19.5%) Disagree 63(17.3%) 133(55.7%) It is only women who are promiscuous that use FP without their husband consent Strongly disagree 63(14.5%) 39(10.7%) Neutral 63(23.6%) 72(19.8%) 133(55.7%) Only men need to decide on family planning Strongly disagree 3(14.5%) 29(6.5%) Only men need to decide on family planning Strongly disagree 40(13.4%) 29(5.9%) Pr methods decrease sexual urge Strongly disagree 40(13.4%) 20(5.9%) FP methods decrease sexual urge Strongly disagree 40(13.4%) 20(3.9%) FP methods decrease sexual urge Strongly disagree 40(13.4%) 20(3.9%) FP methods decrease sexual urge Strongly disagree 68(8.6%) 42(1.5%) Agree <		Strongly disagree	68(18.6%)	117(32.1)
Agree18(43.3%)52(14.3%)Neutral3(0.3%)74(0.3%)Polagree63(18.0%)16(34.6%)Stangly diagree63(18.0%)126(34.6%)Its tabbo for men to discuss with women about FPAgree24(6.0%)24(19%)Agree24(6.0%)3(11.9%)7(19.5%)Neutral128(35.1%)7(19.5%)7(19.5%)Neutral128(35.1%)7(19.5%)7(19.5%)It is only women who are promiscuous that use FP without their husband consentStrongly diagree63(17.3%)33(35.6%)Neutral84(23.6%)3(11.5%)39(10.7%)39(10.7%)Neutral84(23.6%)3(11.9%)59(16.2%)Neutral84(23.6%)39(10.7%)39(10.7%)Neutral84(23.6%)39(10.7%)39(10.7%)Neutral84(23.6%)39(10.7%)39(10.7%)Neutral84(23.6%)39(10.7%)39(10.7%)Neutral84(23.6%)39(10.7%)39(10.7%)Prethods decrease sexual urgeStrongly agree43(11.9%)39(10.7%)Prethods decrease sexual urgeNeutral84(23.6%)39(10.7%)Neutral136(25.6%)32(36.%)32(36.%)32(36.%)Prethods decrease sexual urgeStrongly agree43(11.9%)32(36.%)Neutral136(25.6%)32(36.%)32(36.%)32(36.%)Neutral136(25.%)32(36.%)32(36.%)32(36.%)Neutral136(25.%)32(36.%)32(36.%)32(36.%)Prethods decrease sexual	FP practice reduces confidence b/n husband and wife	Strongly agree	39(10.7%)	26(7.1%)
Neutral34(93%)74(20.3%)Disagree62(17%)74(20.3%)Strongly agree68(16.6%)126(34.6%)Strongly agree28(7%)22(6%)Agree24(6.6%)21(19.5%)Disagree118(32.3%)83(22.8%)Strongly disagree63(17.3%)13(36.5%)It is only women who are promiscuous that use FP without their husband consentStrongly agree91(24.9%)Agree32(14.5%)39(10.7%)Agree83(24.9%)115(31.6%)Agree84(24.9%)115(31.6%)Agree84(24.9%)25(6.9%)Agree43(11.8%)59(16.2%)Only men need to decide on family planningStrongly disagree44(18.9%)25(6.9%)Agree44(13.4%)39(10.7%)FP methods decrease sexual urgeStrongly agree44(18.9%)29(5.9%)FP methods decrease sexual urgeStrongly agree44(13.4%)29(12.9%)FP methods decrease sexual urgeStrongly agree46(12.6%)29(8.0%)FP methods decrease sexual urgeStrongly agree46(12.6%)29(8.0%)FP methods decrease sexual urgeStrongly agree17(32.1%)17(13.9%)Men should accompany their partners to FP clinicsStrongly agree16(4.6%)42(11.5%)Agree15(4.3%)16(3.5%)12(3.5%)12(3.5%)Agree15(4.3%)16(3.5%)12(3.5%)12(3.5%)Agree15(3.6%)12(3.5%)12(3.5%)12(3.5%)Men should accompany their partners to F		Agree	158(43.3%)	52(14.3%)
Disagree61(1%)74(2.0%)Its taboo for men to discuss with women about FPStrongly disagree68(18.6%)12664.6%Its taboo for men to discuss with women about FPStrongly agree24(6%)43(11.8%)Neutral128(25.1%)71(19.5%)71(19.5%)Neutral128(25.1%)71(19.5%)73(15.5%)Disagree63(17.3%)13(36.5%)73(15.5%)Strongly disagree63(17.3%)13(36.5%)73(15.5%)NeutralStrongly agree76(2.6%)73(15.9%)Agree63(2.6%)72(12.9%)73(15.9%)Only men need to decide on family planningStrongly disagree43(11.8%)50(6.2%)Only men need to decide on family planningStrongly disagree43(12.8%)39(12.7%)Premethods decrease sexual urgeStrongly disagree44(12.6%)23(6.9%)FP methods decrease sexual urgeStrongly disagree44(12.6%)29(8.0%)FP methods decrease sexual urgeStrongly disagree46(12.6%)29(8.0%)FP methods decrease sexual urgeStrongly disagree15(4.6%)12(3.3%)FP		Neutral	34(9.3%)	74(20.3%)
Strongly disagree68(18.6%)126(34.6%)Its babo for men to discuss with women about FPStrongly agree28(7.%)23(6.%)Agree24(6.%)43(1.18%)128(3.5%)7(19.5%)Neutral128(3.5%)63(12.3%)83(2.2%)Disagree63(12.6%)13(36.5%)13(36.5%)15(31.6%)It is only women who are promiscuous that use FP without their husband consentStrongly dargree9(124.9%)115(31.6%)Agree53(14.5%)39(10.7%)Neutral86(23.6%)7(19.8%)Nongly disagree48(24.1%)67(18.4%)50(6.2%)Nongly disagree43(11.8%)59(6.2%)Agree43(13.8%)39(10.7%)Nongly disagree49(13.4%)39(10.7%)Nongly disagree49(13.4%)39(10.7%)Nongly disagree40(13.4%)39(10.7%)Nongly disagree40(13.4%)39(10.7%)Nongly disagree40(13.4%)39(10.7%)Nongly disagree40(13.4%)39(10.7%)Nongly disagree40(13.4%)39(10.7%)Nongly disagree40(13.4%)39(10.7%)Nongly disagree40(12.6%)28(3.0%)Agree68(18.6%)42(13.4%)Nongly disagree16(4.6%)42(13.4%)Nongly disagree154(3.4%)15(13.4%)Nongly disagree154(3.4%)15(13.4%)Nongly disagree154(3.4%)16(13.4%)Nongly disagree16(4.4%)16(3.5%)Nongly disagree16(4.4%)16(3.5%)N		Disagree	62(17%)	74(20.3%)
Its taboo for men to discuss with women about FPStrongly agree28(7.7%)22(%)Agree24(6.6%)43(11.8%)Neutral128(25.1%)71(19.5%)Disagree118(32.3%)83(22.8%)Strongly disagree63(17.3%)133(36.5%)It is only women who are promiscuous that use FP without their husband consentStrongly agree91(24.9%)Agree91(24.9%)15(16.6%)Agree86(23.6%)72(19.8%)Only men need to decide on family planningStrongly agree83(11.8%)59(16.2%)Only men need to decide on family planningStrongly agree43(11.8%)59(16.2%)Only men need to decide on family planningStrongly agree43(11.8%)59(16.2%)Only men need to decide on family planningStrongly agree43(14.8%)59(16.2%)Premethods decrease sexual urgeStrongly agree43(12.8%)39(10.7%)FP methods decrease sexual urgeStrongly agree43(12.8%)10/29.4%FP methods decrease sexual urgeStrongly agree43(13.8%)12(13.8%)Men should accompany their partners to FP clinicsStrongly agree158(43.3%)151(41.5%)Men should accompany their partners to FP clinicsStrongly agree164(4%)16(2.8%)Men should accompany their partners to FP clinicsStrongly agree164(3.8%)161(3.9%)Men should accompany their partners to FP clinicsStrongly agree164(3.8%)161(3.9%)Men should accompany their partners to FP clinicsStrongly agree164(6.9%) <td< td=""><td></td><td>Strongly disagree</td><td>68(18.6%)</td><td>126(34.6%)</td></td<>		Strongly disagree	68(18.6%)	126(34.6%)
Agree246.6%43(1.8%)Neural128(35.1%)7(195%)Disagree18(32.3%)83(22.8%)Strongly disagree63(17.3%)133(65%)11 is only women who are promiscuous that use FP without their husband consentStrongly agree9(24.9%)Neural8(23.4%)27(1928%)Neural8(23.4%)72(1928%)Only men need to decide on family planningStrongly agree8(34.1%)59(162%)Only men need to decide on family planningStrongly agree40(13.9%)25(5%)Premethods decrease sexual urgeStrongly agree40(12.9%)39(0.7%)FP methods decrease sexual urgeStrongly agree40(12.9%)29(8.7%)FP methods decrease sexual urgeStrongly agree12(3.4%)29(8.7%)FP methods decrease sexual urgeStrongly agree40(12.9%)29(8.7%)Man should accompany their partners to FP clinicsStrongly agree12(3.4%)12(3.5%)Men should accompany their partners to FP clinicsStrongly agree15(4.3%)15(14.5%)Men should accompany their partners to FP clinicsStrongly agree15(4.3%)15(14.5%)Men should accompany their partners to FP clinicsStrongly agree16(4.6%)16(18.1%)Men should accompany their partners to FP clinicsStrongly agree16(4.6%)16(18.1%)Men should accompany their partners to FP clinicsStrongly agree16(4.6%)16(18.1%)Men should accompany their partners to FP clinicsStrongly agree16(4.6%)16(18.1%)	Its taboo for men to discuss with women about FP	Strongly agree	28(7.7%)	22(6%)
Neutral128(35.1%)7(105%)Disagree118(32.3%)83(22%)Strongly disagree63(17.3%)13(36.5%)Strongly agree91(24.9%)115(31.6%)Agree53(14.5%)39(10.7%)Neutral86(23.6%)72(19.8%)Disagree88(24.1%)67(18.4%)Strongly disagree84(14.9%)59(16.2%)Only men need to decide on family planningStrongly agree43(11.8%)Only men need to decide on family planningAgree43(11.8%)59(16.2%)Neutral86(23.6%)39(10.7%)39(10.7%)Neutral86(23.6%)39(10.7%)39(10.7%)Neutral86(23.6%)39(10.7%)39(10.7%)Neutral86(23.6%)39(10.7%)39(10.7%)Neutral86(23.6%)39(10.7%)39(10.7%)Neutral86(23.6%)39(10.7%)39(10.7%)Neutral86(23.6%)39(10.7%)39(10.7%)Neutral86(23.6%)39(10.7%)39(10.7%)Premethods decrease sexual urgeStrongly agree48(13.2%)107(29.4%)FP methods decrease sexual urgeStrongly agree48(13.2%)120(33%)Pisagree117(32.1%)72(12.9%)120(33%)Neutral106(29%)120(33%)13(11.5%)Neutral106(29%)120(33%)13(11.5%)Neutral106(29%)120(33%)13(11.5%)Neutral106(29%)120(33%)13(11.5%)Neutral106(36%)120(35%)13(11.5%)		Agree	24(6.6%)	43(11.8%)
Disagree118(32.3%)83(22.8%)It is only women who are promiscuous that use FP without their husband consentStrongly agree91(24.9%)115(31.6%)Agree53(14.5%)39(10.7%)Agree53(14.5%)39(10.7%)Neutral8623.6%)72(19.8%)Only men need to decide on family planningStrongly disagree48(14.8%)59(16.2%)Only men need to decide on family planningStrongly disagree40(14.8%)59(16.2%)Only men need to decide on family planningStrongly disagree40(13.4%)39(10.7%)Neutral86(23.6%)92(5.6%)92(5.6%)Diagree124(34%)88(24.2%)39(10.7%)Neutral86(23.6%)92(5.6%)92(5.6%)Diagree124(34%)88(24.2%)39(10.7%)Pr methods decrease sexual urgeStrongly disagree48(13.2%)107(29.4%)FP methods decrease sexual urgeStrongly disagree48(13.2%)107(29.4%)Men should accompany their partners to FP clinicsStrongly disagree116(3.1%)72(1.2%)Men should accompany their partners to FP clinicsStrongly disagree158(43.3%)151(41.5%)Men should accompany their partners to FP clinicsStrongly disagree169(3.6%)66(18.1%)Neutral162.8%)151(41.5%)161(4.5%)161(4.5%)Men should accompany their partners to FP clinicsStrongly disagree164(3.4%)151(41.5%)Men should accompany their partners to FP clinicsStrongly disagree164(3.4%)161(3.1%) <td></td> <td>Neutral</td> <td>128(35.1%)</td> <td>71(19.5%)</td>		Neutral	128(35.1%)	71(19.5%)
Strongly disagree63(17.3%)133(36.5%)It is only women who are promiscuous that use FP without their husband consentStrongly agree91(24.9%)115(31.6%)Agree53(14.5%)39(10.7%)Neutral86(23.6%)72(19.8%)Diagree88(24.1%)67(18.4%)Strongly disagree43(11.8%)59(16.2%)Only men need to decide on family planningStrongly disagree41(14.8%)25(6.9%)Agree49(13.4%)39(10.7%)Neutral86(23.6%)93(25.5%)Diagree12(34%)88(24.2%)Strongly disagree48(13.2%)107(29.4%)FP methods decrease sexual urgeStrongly disagree48(13.2%)107(29.4%)FP methods decrease sexual urgeStrongly disagree48(13.2%)107(29.4%)Men should accompany their partners to FP clinicsStrongly disagree24(6.6%)42(2.1%)Neutral106(29%)113(1%)15(14.1%)Agree158(43.3%)151(41.5%)15(41.5%)Neutral168(36%)31(8.5%)151(41.5%)Agree164(4%)31(8.5%)151(41.5%)Agree164(4%)31(8.5%)151(41.5%)Agree164(4%)31(8.5%)151(41.5%)Neutral14(38%)31(8.5%)151(41.5%)Husband involvement is important in FPStrongly disagree14(38%)31(35%)Husband involvement is important in FPStrongly disagree14(38%)31(35%)		Disagree	118(32.3%)	83(22.8%)
It is only women who are promiscuous that use FP without their husband consentStrongly agree91(24,9%)115(31,6%)Agree53(14,5%)39(10,7%)Neutral86(23,6%)72(19,8%)Disagree88(24,1%)67(18,4%)Strongly disagree43(11,8%)59(16,2%)Only men need to decide on family planningStrongly agree43(11,8%)59(16,2%)Only men need to decide on family planningStrongly agree44(13,4%)39(10,7%)Neutral86(23,6%)39(10,7%)39(10,7%)Neutral86(23,6%)39(10,7%)39(10,7%)Neutral86(23,6%)39(10,7%)39(10,7%)Neutral86(23,6%)39(10,7%)39(10,7%)P methods decrease sexual urgeStrongly disagree48(13,2%)107(29,4%)FP methods decrease sexual urgeStrongly agree46(12,6%)29(8,0%)Agree68(18,6%)42(11,5%)30(10,7%)Neutral106(29%)120(33%)120(33%)Neutral106(29%)120(33%)120(33%)Men should accompany their partners to FP clinicsStrongly agree158(43,3%)151(41,5%)Agree106(29%)115(31,5%)31(8,5%)31(8,5%)Neutral16(4,4%)31(8,5%)31(8,5%)Neutral16(4,4%)31(8,5%)31(8,5%)Neutral16(4,4%)31(8,5%)31(8,5%)Neutral16(4,4%)31(8,5%)31(8,5%)Neutral16(4,4%)31(8,5%)31(8,5%)Neutral16(Strongly disagree	63(17.3%)	133(36.5%)
Agree53(14.5%)39(10.7%)Neutral86(23.6%)72(19.8%)Diagree88(24.1%)67(18.4%)Diagree88(24.1%)67(18.4%)Strongly disagree43(11.8%)59(16.2%)Agree49(13.4%)25(5.9%)Neutral86(23.6%)93(25.5%)Diagree124(34%)88(24.2%)Diagree24(34%)88(24.2%)FP methods decrease sexual urgeStrongly disagree48(13.2%)FP methods decrease sexual urgeStrongly agree46(12.6%)Agree68(18.6%)120(33%)Men should accompany their partners to FP clinicsStrongly agree136(3.3%)Men should accompany their partners to FP clinics<	It is only women who are promiscuous that use FP without their husband consent	Strongly agree	91(24.9%)	115(31.6%)
Neutral 86(23.6%) 72(19.8%) Diagree 88(24.1%) 67(18.4%) Diagree 43(11.8%) 59(16.2%) Only men need to decide on family planning Strongly agree 43(18.8%) 25(6.9%) Agree 49(13.4%) 39(10.7%) 39(10.7%) Neutral 86(23.6%) 49(13.4%) 39(10.7%) Neutral 86(23.6%) 49(13.4%) 39(10.7%) Neutral 86(23.6%) 49(13.4%) 39(10.7%) FP methods decrease sexual urge Strongly diagree 48(13.2%) 107(29.4%) FP methods decrease sexual urge Strongly agree 48(13.2%) 107(29.4%) Men should accompany their partners to FP clinics Strongly agree 16(3.8%) 42(11.5%) Men should accompany their partners to FP clinics Strongly agree 15(43.3%) 15(14.5%) Men should accompany their partners to FP clinics Strongly agree 16(4.4%) 6(71.5%) Men should accompany their partners to FP clinics Strongly agree 16(4.4%) 16(3.5%) Men should accompany their partners to FP clinics Stron		Agree	53(14.5%)	39(10.7%)
Disagree 88(24.1%) 67(18.4%) Only men need to decide on family planning Strongly disagree 43(1.8%) 59(16.2%) Only men need to decide on family planning Strongly agree 49(13.4%) 39(10.7%) Agree 49(13.4%) 39(10.7%) 39(25.5%) Neutral 86(23.6%) 93(25.5%) Disagree 12(34%) 88(24.9%) FP methods decrease sexual urge Strongly disagree 48(13.2%) 107(29.4%) Agree 68(18.6%) 29(8.0%) 29(8.0%) Neutral 106(29%) 12(33%) 12(33%) Mental 106(29%) 12(33%) 12(33%) Mental 106(29%) 12(33%) 12(33%) Men should accompany their partners to FP clinics Strongly agree 15(43.3%) 15(141.5%) Mental 106(29%) 15(43.5%) 15(41.5%) Mental 16(3.8%) 16(18%) 16(18%) Mental 16(3.8%) 15(141.5%) 16(18%) Mental 16(3.8%) 15(141.5%) 16(18%)		Neutral	86(23.6%)	72(19.8%)
Strongly disagree 43(11.8%) 59(16.2%) Only men need to decide on family planning Strongly agree 54(14.8%) 25(6.9%) Agree 49(13.4%) 39(10.7%) Agree 49(13.4%) 39(15.5%) Neutral 86(23.6%) 93(25.5%) Disagree 12(34%) 88(24.2%) Strongly disagree 48(13.2%) 107(29.4%) Agree 48(13.2%) 107(29.4%) Agree 68(18.6%) 42(11.5%) Meutral 166(29%) 120(33%) Disagree 11(32.1%) 77(21.2%) Agree 24(6.6%) 84(23.1%) Meutral 106(29%) 120(33%) Men should accompany their partners to FP clinics Strongly agree 13(8.3%) 151(41.5%) Meutral 162(3.6%) 151(41.5%) 14(3.8%) 13(8.5%) Meutral 14(3.8%) 13(8.5%) 13(8.5%) Meutral 16(4.4%) 57(15.7%) Meutral 14(3.8%) 13(3.5%)		Disagree	88(24.1%)	67(18.4%)
Only men need to decide on family planning Strongly agree \$4(14.8%) 25(6.9%) Agree 49(13.4%) 39(10.7%) Neutral 86(23.6%) 39(25.5%) Disagree 124(34%) 88(24.2%) FP methods decrease sexual urge Strongly agree 48(13.2%) 107(29.4%) FP methods decrease sexual urge Strongly agree 48(13.2%) 107(29.4%) Men should accompany their partners to FP clinics Neutral 106(29%) 120(33%) Men should accompany their partners to FP clinics Strongly agree 24(6.6%) 84(23.1%) Men should accompany their partners to FP clinics Strongly agree 158(43.3%) 151(41.5%) Men should accompany their partners to FP clinics Strongly agree 164.4%) 31(8.5%) Men should accompany their partners to FP clinics Strongly agree 164.4%) 31(8.5%) Men should accompany their partners to FP clinics Strongly agree 164.4%) 31(8.5%) Men should accompany their partners to FP clinics Strongly agree 164.4%) 31(8.5%) Men should accompany their partners to FP clinics Strongly agree 164.4%) 31(8.5%) Me		Strongly disagree	43(11.8%)	59(16.2%)
Agree 49(13.4%) 39(10.7%) Neutral 86(23.6%) 93(25.5%) Disagree 124(34%) 88(24.2%) Strongly disagree 48(13.2%) 107(29.4%) Agree 68(18.6%) 29(8.0%) Agree 68(18.6%) 42(11.5%) Neutral 106(29%) 120(33%) Disagree 17(32.1%) 77(21.2%) Strongly disagree 24(6.6%) 84(23.1%) Men should accompany their partners to FP clinics Strongly disagree 158(43.3%) 151(41.5%) Agree 159(43.6%) 66(18.1%) 151(41.5%) Men should accompany their partners to FP clinics Strongly disagree 164.4%) 57(15.7%) Men should accompany their partners to FP clinics Strongly disagree 164.4%) 57(15.7%) Men should accompany their partners to FP clinics Strongly disagree 164.4%) 57(15.7%) Men should accompany their partners to FP clinics Strongly disagree 164.4%) 57(15.7%) Men should accompany their partner to FP clinics Strongly disagree 164.3%) 17(21.9%) Men should accompany their partner to FP clinics S	Only men need to decide on family planning	Strongly agree	54(14.8%)	25(6.9%)
Neutral 86(23.5%) 93(25.5%) Disagree 124(34%) 88(24.2%) Strongly disagree 48(13.2%) 107(29.4%) FP methods decrease sexual urge Strongly agree 46(12.6%) 29(8.0%) Agree 68(18.6%) 42(11.5%) Neutral 106(29%) 120(33%) Disagree 117(32.1%) 77(21.2%) Ken should accompany their partners to FP clinics Strongly agree 158(43.3%) 151(41.5%) Men should accompany their partners to FP clinics Strongly agree 159(43.6%) 6(18.1%) Men should accompany their partners to FP clinics Strongly agree 14(3.8%) 151(41.5%) Men should accompany their partners to FP clinics Strongly agree 14(3.8%) 151(41.5%) Men should accompany their partners to FP clinics Strongly agree 14(3.8%) 31(8.5%) Men should accompany their partners to FP clinics Strongly agree 14(3.8%) 31(8.5%) Men should accompany their partners to FP clinics Strongly agree 14(3.8%) 31(8.5%)		Agree	49(13.4%)	39(10.7%)
Disagree 24(34%) 88(24.2%) Strongly disagree 48(13.2%) 107(29.4%) FP methods decrease sexual urge Strongly agree 46(12.6%) 29(8.0%) Agree 68(18.6%) 42(11.5%) Neutral 106(29%) 120(33%) Disagree 117(32.1%) 77(21.2%) Strongly disagree 24(6.6%) 84(23.1%) Men should accompany their partners to FP clinics Strongly agree 158(43.3%) 151(41.5%) Agree 159(43.6%) 66(18.1%) 14(3.8%) 31(8.5%) Men should accompany their partners to FP clinics Strongly agree 16(4.4%) 31(8.5%) Men should accompany their partners to FP clinics Strongly agree 16(4.4%) 31(8.5%) Men should accompany their partners to FP clinics Strongly agree 16(4.4%) 31(8.5%) Men should accompany their partners to FP clinics Strongly agree 16(4.4%) 31(8.5%) Men should accompany their partner to FP clinics Strongly agree 14(3.8%) 31(8.5%) Men should accompany their partner to FP clinics Strongly agree 14(3.8%) 31(8.5%) Men should involvement is		Neutral	86(23.6%)	93(25.5%)
FP methods decrease sexual urge Strongly disagree 48(13.2%) 107(29.4%) FP methods decrease sexual urge Strongly agree 46(12.6%) 29(8.0%) Agree 68(18.6%) 42(11.5%) Neutral 106(29%) 120(33%) Disagree 117(32.1%) 77(21.2%) Ken should accompany their partners to FP clinics Strongly disagree 158(43.3%) 151(41.5%) Men should accompany their partners to FP clinics Strongly agree 169(3.6%) 66(18.1%) Men should accompany their partners to FP clinics Strongly agree 169(3.6%) 151(41.5%) Men should accompany their partners to FP clinics Strongly agree 164.4%) 57(15.7%) Method 16(3.8%) 11(3.5%) 113(31%) Husband involvement is important in FP Strongly agree 158(43.3%) 113(31%)		Disagree	124(34%)	88(24.2%)
FP methods decrease sexual urge Strongly agree 46(12.6%) 29(8.0%) Agree 68(18.6%) 42(11.5%) Neutral 106(29%) 120(33%) Disagree 117(32.1%) 77(21.2%) Ken should accompany their partners to FP clinics Strongly disagree 18(43.3%) 15(41.5%) Men should accompany their partners to FP clinics Strongly agree 195(43.6%) 66(18.1%) Men should accompany their partners to FP clinics Strongly agree 196(4.4%) 57(15.7%) Men should accompany their partners to FP clinics Strongly agree 14(3.8%) 47(12.9%) Husband involvement is important in FP Strongly agree 158(43.3%) 113(31%)		Strongly disagree	48(13.2%)	107(29.4%)
Agree 68(18.6%) 42(11.5%) Neutral 106(2%) 120(3%) Disagree 117(32.1%) 77(21.2%) Strongly disagree 24(6.6%) 84(23.1%) Men should accompany their partners to FP clinics Strongly agree 158(43.3%) 151(41.5%) Men should accompany their partners to FP clinics Strongly agree 159(43.6%) 66(18.1%) Men should accompany their partners to FP clinics Strongly agree 14(3.8%) 57(15.7%) Men should accompany their partners to FP clinics Strongly disagree 14(3.8%) 47(12.9%) Husband involvement is important in FP Strongly agree 158(43.3%) 113(31%)	FP methods decrease sexual urge	Strongly agree	46(12.6%)	29(8.0%)
Neutral 106(29%) 120(33%) Disagree 117(32.1%) 77(21.2%) Strongly disagree 24(6.6%) 84(23.1%) Men should accompany their partners to FP clinics Strongly agree 158(43.3%) 151(41.5%) Agree 159(43.6%) 66(18.1%) 14(3.8%) 31(8.5%) Disagree 16(4.4%) 57(15.7%) 5trongly disagree 14(3.8%) 47(12.9%) Husband involvement is important in FP Strongly agree 158(43.3%) 113(31%)		Agree	68(18.6%)	42(11.5%)
Disagree 117(32.1%) 77(21.2%) Strongly disagree 24(6.6%) 84(23.1%) Men should accompany their partners to FP clinics Strongly agree 158(43.3%) 151(41.5%) Agree 159(43.6%) 66(18.1%) Neutral 14(3.8%) 31(8.5%) Disagree 16(4.4%) 57(15.7%) Strongly disagree 14(3.8%) 47(12.9%) Husband involvement is important in FP Strongly agree 158(43.3%) 113(31%)		Neutral	106(29%)	120(33%)
Strongly disagree 24(6.6%) 84(23.1%) Men should accompany their partners to FP clinics Strongly agree 158(43.3%) 151(41.5%) Agree 159(43.6%) 66(18.1%) Neutral 14(3.8%) 31(8.5%) Disagree 16(4.4%) 57(15.7%) Strongly disagree 14(3.8%) 47(12.9%)		Disagree	117(32.1%)	77(21.2%)
Men should accompany their partners to FP clinics Strongly agree 158(43.3%) 151(41.5%) Agree 159(43.6%) 66(18.1%) Neutral 14(3.8%) 31(8.5%) Disagree 16(4.4%) 57(15.7%) Strongly disagree 14(3.8%) 47(12.9%) Husband involvement is important in FP Strongly agree 158(43.3%) 113(31%)		Strongly disagree	24(6.6%)	84(23.1%)
Agree 159(43.6%) 66(18.1%) Neutral 14(3.8%) 31(8.5%) Disagree 16(4.4%) 57(15.7%) Strongly disagree 14(3.8%) 47(12.9%) Husband involvement is important in FP Strongly agree 158(43.3%) 113(31%)	Men should accompany their partners to FP clinics	Strongly agree	158(43.3%)	151(41.5%)
Neutral 14(3.8%) 31(8.5%) Disagree 16(4.4%) 57(15.7%) Strongly disagree 14(3.8%) 47(12.9%) Husband involvement is important in FP Strongly agree 158(43.3%) 113(31%)		Agree	159(43.6%)	66(18.1%)
Disagree 16(4.4%) 57(15.7%) Strongly disagree 14(3.8%) 47(12.9%) Husband involvement is important in FP Strongly agree 158(43.3%) 113(31%)		Neutral	14(3.8%)	31(8.5%)
Strongly disagree14(3.8%)47(12.9%)Husband involvement is important in FPStrongly agree158(43.3%)113(31%)		Disagree	16(4.4%)	57(15.7%)
Husband involvement is important in FP Strongly agree 158(43.3%) 113(31%)		Strongly disagree	14(3.8%)	47(12.9%)
	Husband involvement is important in FP	Strongly agree	158(43.3%)	113(31%)
Agree 159(43.6%) 153(42%)		Agree	159(43.6%)	153(42%)
Neutral 14(3.8%) 42(11.5%)		Neutral	14(3.8%)	42(11.5%)
Disagree 16(4.4%) 34(9.3%)		Disagree	16(4.4%)	34(9.3%)
Strongly disagree 14(3.8%) 10(2.7%)		Strongly disagree	14(3.8%)	10(2.7%)

Involvement of husbands concerning family	y planning service utilization	Urban, n (%)	Rural, n (%)
Attended FP clinic	Yes	167(45.8%)	158(43.4%)
	No	194(53.2%)	200(53.3%)
How many times did you attended	Once	41(11.2%)	40(11%)
	Twice	54(14.8%)	51(14%)
	Many times	57(15.6%)	51(14%)
	l don't remember	13(3.6%)	18(4.9%)
Method used by husband	Condom	135(37%)	94(25.8%)
	Permanent	6	7
Discussed with your wife on FP	Yes	272(74.5%)	212(58.2%)
	No	89(24.4%)	140(38.5%)
Frequency of discussion	Once	57(15.6%)	43(11.8%)
	Twice	44(12.1%)	45(12.4%)
	Many times	125(34.2%)	88(24.2%)
	l don't remember	51(14%)	39(10.7%)
Initiated the discussion	Yes	214(58.6%)	136(37.4%)
	No	147(40.3%)	216(59.3%)
Approved FP for wife	Yes	212(58.1%)	144(39.6%)
	No	149(40.81%)	208(57.1%)
Reason for disapproval	Desire to have more child	105(28.8%)	107(29.4%)
	Fear of side effect	99(27.1%)	90(24.7%)
	Religious prohibition	89(24.4%)	73(20.1%)
	Fear of promiscuity	94(25.8%)	74(20.3%)
	Other	32(8.8%)	34(9.3%)
FP used by partner	Pills	214(58.6%)	177(48.6%)
	Injectable	216(59.2%)	182(50%)
	Implant	220(60.2%)	179(49.2%)
	Loop	201(55.1%)	176(48.4%)
	Permanent	39(10.7%)	34(9.3%)
	Calendar	198(54.2%)	176(48.4%)
	Breast feeding	190(51.1%)	169(46.4%)
Reason for utilization	For birth spacing	196(53.7%)	138(37.9%)
	For birth limiting	27(7.4%)	42(11.5%)

Table 5 Involvement of husbands concerning family planning service utilization planning in urban and rural kebele of Kondaladistrict, West Wollega, western Ethiopia, 2019

"There is no favorable option for husbands like women to use FP so how men can support his partner so she should uses as given for her from God" (FGD community 3 from urban).

About 263(72.1%) in urban and 227(62.4%) in rural respondents were discussed with their friends on family planning issues. About 251(68.8%) from urban and 221(60.7%) from rural encouraged their friends in family planning service utilization. Out of the respondents about half [203(55.6%) from urban and 168(46.2%) from rural] had participated in community mobilization in family planning service utilization

issues. During the group discussion, some participants stated that; "As you know there is no method of choice for men if you tied yourself you will not able to have sexual intercourse again and with condom, you cannot enjoy sex so I have no reason to encourage my friend to family planning" (FGD community 1 from urban). "We had accessed to similar source of information, but I have encouraged my friends who had many children because he discontinued his wife FP usage fearing its side effect" (FGD community 1 from urban). Similar suggestions were obtained from the rest FGD discussions

Factors that influence husband involvement in FP service utilization

Bi-variable logistic regression analysis with selected variables

On bi-variable logistic regression, out of fifteen independent variables, six variables from urban and five variables from rural had an association with the outcome variable at *p*-value of 0.25. Based up on this husbands with educational level of diploma and above were nearly three times more likely to be involved in FP utilization in rural (COR = 2.89; 95% CI: 1.46-5.73) and urban COR = 2.42; 95%CI 1.19, 4.88) respectively. Regarding occupational status, government employee are about two times (COR = 2.07(1.09, 3.90) more likely to be involved in FP utilization in urban. Husbands who walk less than 30 min from health facility are about 2.29 times more likely to be involved in FP utilization than those who walkt for > 60 min (COR = 2.29; 95% CI: 1.34,3.92) in the rural. Those husbands who have been together for morethan five years since married are about three times (COR = 3.29, 95%CI: 1.68-6.44) in urban and about 1.7 times (COR = 17; 95%CI: 1.02-2.85) in rural to be involved in the FP utilization. Those couples who have four and above children are about four times (COR = 4.69; 95%CI: 2.4-9.16) in rural and about three times (COR = 3.50; 95%CI:1.89-6.47) in urban to be involved in FP. For urban husbands, those who have desire to have 3-4 children are about two times (COR = 2.12; 95%CI: 1.37-3.29) more likely to be involved in FP utilization. For rural respondents, those who have adequate knowledge are nearly five times (COR = 4.58, 95%CI: 2.91,7.21) more likely to be involved in FP utilization than those who have inadequate knowledge. For urban husbands, those who have positive attitude towards FP service utilization are about two times 2.02(1.32,3.08) more likely to be involved in FP utilization (Table 6).

Multi-variable logistic analysis of husband involvement with associated factors

Out of six from urban and five from rural variables which were candidate for multi-variable logistic regression analysis, 4 variables both in urban and rural were statistically significant with the husbands' involvement in FP service utilization at p < 0.05. In Urban areas, husbands who participated in government employees were about 2.5 times more likely to be involved in family planning service utilization than other types of occupational status (AOR = 2.58,95%CI = 1.25-5.33, p = 0.01). Respondents who had four and above or a greater number of current children were 3.25 times more likely to be involved in family planning service utilization than other service utilization than those who had less than four children. (AOR = 3.25, 95%CI = 1.51-7.02, p = 0.003). Husbands who had desired

number of children less than two were 3 times more likely to be involved in family planning service utilization than husbands who had desired number of children more than two (AOR = 3.07, 95%CI = 1.80-5.24, p = 0.003. Finally, husbands who had positive attitude towards family planning methods were 1.86 times more likely to be involved than those who had negative attitude in family planning service utilization (AOR = 1.86, 95%CI = 1.15-2.99. p = 0.01).

In rural setting, husbands who had diploma and above were about two times more likely to be involved in family planning service utilization than those who had below educational background (AOR = 2.13, 95%CI = 1.02-4.44, p = 0.05). Husband who goes less than 30 min to reach health facility to get service were 2.28 times more likely to be involved in family planning service utilization than those who traveled more than $30 \min (AOR = 2.28)$, 95%CI = 1.24–4.19, *p* = 0.008). Participants who had four and above number of current children were about 4 times more likely to be involved in family planning service utilization than those who had less than four children. (AOR = 4.27, 95%CI = 1.88, 9.73, *p* = 0.001). Lastly, husbands who were knowledgeable to family planning methods were 4.48 times more likely to be involved than husbands who were not knowledgeable in family planning service utilization (AOR = 4.48,95%CI = 2.72-7.38, p < 0.001) (Table 7)

Discussion

The finding of the study revealed that more than half (55.6%) from urban and (44.9%) from rural husbands were involved in family planning service utilization in the district. This was low when compared with world health organization (WHO) attention towards male involvement in reproductive health including family planning service utilization [34]. The reasons for this low finding might be due to low provision of information on service utilization, low service targeting men within the health facilities and low attention to satisfied users to promote the usage of the methods. The involvement in service utilization was higher in urban compared to the rural areas. This might be because in rural areas negative community perception on husbands supporting ladies, health facility setup and the distance from home to health facility negatively influenced husbands' involvement in family planning service utilization. However, the service utilization was higher than the study results in west Shoa (36%) [27] and in India 22% in urban and 17% in rural [35]. The discrepancy may be due to the improvement of the health facilities on the provision of the family planning service with time variation.

However, the current study on husbands' involvement in family planning service utilization was lower than similar studies conducted in Gedeo zone, (70.9%) in **Table 6** Bi-variable analysis of factors contributing to husbands' involvement in family planning service utilization in urban and ruralkebele of Kondala district, West Wollega, western Ethiopia, 2019

Variable	Category	Husband Ir	nvolvement in FP			OR (95%CI)	
		Urban		Rural		Urban	Rural
		Involved (%)	Not involved (%)	Involved (%)	Not involved (%)	_	
Educational status	No Formal education	29(53.7)	2546.29)	54(46.95)	61(53.04)	1	1
	Primary school	41(48.23)	44(51.76)	51(44.35)	64(55.65)	0.80(0.40, 1.59)	0.90(0.54, 1.51)
	Secondary school	63(49.6)	64(50.3)	32(49.23)	33(50.76)	0.85(0.45, 1.60)	1.09(0.59, 2.01)
	Diploma & above	70(73.68)	25(26.3)	41(71.92)	16(28.07)	2.42(1.19, 4.88) *	2.89(1.46, 5.73) *
Occupational status	Merchant	58(55.76)	46(44.23)	**	**	1.23(0.66, 2.25)	**
	Government employee	66(68.04)	31(31.95)			2.07(1.09, 3.90) *	
	Farmer	44(48.35)	47(51.64)			0.90(0.48, 1.70)	
	Daily Worker	35(50.72)	34(49.27)			1	
Distance to HF (min)	< 30	**	**	66(61.11)	42(38.89)	**	2.29(1.34,3.92)*
	30–60			66(50.38)	65(49.61)		1.48(0.89,2.45)
	> 60			46(40.7)	67(59.29)		
Duration of marriage (years)	0–5	14(31.11)	31(68.88)	31(40.25)	46(59.74)	1	1
	> 5	189(59.81)	127(40.18)	147(53.45)	128(46.54)	3.29(1.68,6.44)*	1.70(1.02,2.85)*
Current number of	None	21(35.59)	38(64.40)	14(24.13)	44(75.86)	1	1
children	1–3	60(51.28)	57(48.71)	52(48.59)	55(51.41)	1.90(1.00,3.63)*	2.97(1.46,6.05)*
	<u>></u> 4	122(65.94)	63(34.06)	112(59.89)	75(40.11)	3.50(1.89,6.47)*	4.69(2.40,9.16)*
Desired number of children	1–2	4(36.36)	7(63.63)	**	**	0.59(0.16,2.09)	**
	3–4	102(67.10)	50(32.89)			2.12(1.37,3.29)*	
	<u>></u> 5	97(48.89)	101(51.01)			1	
Knowledge about FP	Not Knowledgeable	**	**	46(30.06)	107(69.93)	**	1
	Knowledgeable			132(66.33)	67(33.66)		4.58(2.91,7.21)*
Attitude Towards FP	Negative attitude	73(46.49)	84(53.51)	**	**	1	**
	Positive attitude	130(63.72)	74(36.27)			2.02(1.32,3.08)*	

* Variables which are significant at 95%CI with p-value < 0.05, ** Data which are not included in the model, 1: reference category COR Crudes Odds Ratio; FP Family planning; HF Health facility

urban and (63.4%) in rural areas [21], Agaro town 74.4%) [7], Asosa (70%) [26], urban part of Nigeria (80%) [11] and in rural areas of India (West Bengal) (74.4%) [36]. This discrepancy perhaps be due to most of the indicated studies are conducted in the urban areas [7, 26] where majority of them are supposed to be literate and have access to information and services.

This study also attempted to identify factors associated with husband involvement in family planning service utilization. Socio-economic status, husband's reproductive characteristics, Knowledge and attitudes towards FP service utilization were among factors associated with the involvement of males in FP services utilization.

It revealed that there is positive association of husband's FP knowledge with the involvement in FP service utilization, especially in rural parts. The finding complements to other studies done in Tigray, Debremarkos, Gedeo zone, Bahir Dar and Afar [4, 5, 14, 19, 21]. This is because knowledge is pre-request to be involved in family planning service utilization. Additionally, husband's having positive attitude towards FP were 1.86 times more likely to be involved family planning service utilization than those having negative attitude in urban setting. This is supported by the previous study conducted in Nigeria, India and Gedeo zone [21, 35, 37].

In Urban areas, husbands who were government employees were nearly three times more likely to be involved in family planning service utilization than other types of occupational status. This finding is supported by similar studies conducted in Ethiopia; Angecha woreda [12], Bahirdar town [29]. This is due to the fact that most of government employees in Ethiopia are educated and this in turn associated with the statement that the more a husband is educated, the more he will accept

Variable	Category	Urban areas		Rural areas	
		AOR (95%CI)	p-value	AOR (95%CI)	p-value
Educational status	No Formal education	1	1	1	1
	Primary school	0.851(0.39, 1.82)	0.676	0.928(0.52, 1.66)	0.802
	Secondary school	0.806(0.39, 1.65)	0.556	1.198(0.60, 2.38)	0.606
	Diploma and above	2.193(0.99, 4.83)	0.051	2.126(1.02, 4.44)	0.045*
Occupational status	Merchant	1.378(0.70, 2.69)	0.349	**	**
	Government employee	2.585(1.25, 5.33)	0.010*		
	Farmer	0.828(0.41, 1.66)	0.595		
	Daily Worker	1	1		
Distance from home to HF	< 30 min	**	**	2.283(1.24, 4.19)	0.008*
	30–60 min			1.251(0.70, 2.23)	0.447
	> 60 min			1	1
Duration of marriage	0–5 years	1	1	1	1
	> 5 years	2.114(0.94, 4.75)	0.070	1.088(0.54, 2.18)	0.812
Current number of children	None	1	1	1	1
	1–3	1.304(0.61, 2.78)	0.493	4.275(1.88, 9.73)	0.001
	>4	3.255(1.51, 7.02)	0.003*	4.204(1.80, 9.79)	0.001*
Desired number of children	1–2	2.217(0.55, 8.93)	0.263*	**	**
	3–4	3.076(1.80, 5.24)	< 0.001*		
	> 5	1	1	1	1
Knowledge about FP	Not Knowledgeable	**	**	1	1
	Knowledgeable			4.478(2.72, 7.38)	< 0.001*
Attitude Towards FP	Negative attitude	1	1	**	**
	Positive attitude	1.863(1.15, 2.99)	0.010*		

 Table 7
 Multi-variable logistic analysis of husband involvement in family planning service utilization with associated factors in urban and rural kebele of Kondala district, West Wollega, western Ethiopia, 2019

* Variables which are significant at 95% CI with p-value of < 0.05, ** Data which are not included in the model, 1 reference category AOR Adjusted odds ratio: HF Health facility

gender equality and believe in equal participation in decision making [38].

This indicated that the more educated respondents are more familiar with family planning methods and utilizes it to give special care for their having children. Respondents who had a greater number of current children were about 3 times in urban and 4 times in rural more likely to be involved in family planning service utilization compared to individuals who had no more children. This finding was in line with the studies conducted in Asosa town, North Shoa and Loka Abay district [18, 20, 26]. However, the finding was contrary to study conducted in urban area (Bahir Dar) where involvement in family planning was higher among individuals who had no or less children than who had more children [14]. The reason for the discrepancy in the current study might be because the current living expense was becoming difficult to have more children related to the current economic hardship in the country.

From this study husbands who do not want to have any more children were more likely to be involved in family planning service utilization than husbands who want to have more children. This finding was supported by the study conducted in Kembata Tembaro zone [12]. However, educational status and duration of marriage did not show association with husband involvement in family planning service after confounding was controlled in urban setting.

According to the findings of this study educational status was one significant predictor of husbands' involvement on family planning in rural areas. It showed as the educational status of respondents increases, there showed an evidence of husbands' involvement in family planning service utilization. This was supported by previous studies conducted in different areas and countries where education was significantly affected family planning service utilization [14, 18, 25, 39]. The study also revealed that husband who goes less than 30 min from home to health facility to get service were about 2 times more likely to be involved in family planning service utilization than those who traveled more than 30 min. However, duration of marriage toward family planning did not show strong association with husband involvement following controlling confounder in rural areas.

The study assessed through qualitative way also identified husbands' perception towards involvement in family planning service utilization. Most of the husbands in urban area perceived that they believe in the involvement of males in FP issue as it was not the only issue of the women. In rural areas the participants' perception was not far from the answer to quantitative questions. Culturally perceived reproductive issues as the women business, desire of more children, fear of side effects of family planning and fear of community perception determined them as not to be involved as much like in urban areas. Generally, husbands living in urban areas were more likely to be involved than their rural counterparts. This finding was in line with the study conducted in Kembata Tembaro zone and India [12, 35]. The discrepancy could be due to in urban areas relatively good income, easily access to health facilities, educational facilities, broadcasting facilities and other services are more accessible than rural counterpart.

As strength, qualitative method was used to supplement the result and to explore factors that were not addressed by quantitative survey. Our study is not without some limitations. The result of this study totally relied on self-report and willingness of the participants to give real information and thus does not provide an objective measure of husbands' involvement in family planning.

Conclusion

The finding of the study showed the proportion of husbands' involvement in family planning utilization in urban and rural areas was low. Factors associated with the involvement varied between the two setups, except the current number of children. Being government employee, wishing less than two children and having a better attitude towards family planning methods in urban and good educational background, less distance from home to health facility and having better knowledge were factors associated with husband involvement in family planning utilization in rural areas. In the qualitative study, most husbands in rural areas were not experienced good perception like urban areas in the involvement of FP service utilization due to different Socio-cultural factors.

Hence the governmental (the district and zonal health office) and non-governmental organizations working on the family planning issues should address socio-cultural, infrastructure associated with health facility, knowledge and attitudinal factors in future family planning programs. Besides family planning service utilization interventions in the area need to be promoted, awareness creation should be made, and health extension worker should enhance health education especially in rural part in family planning service utilization.

Abbreviations

AOR: Adjusted Odd Ratio; CI: Confidence Interval; FGD: Focused Group Discussion; FP: Family Planning; IQR: Inter Quartile Range; IUCD: Intra Uterine Contraceptive Device; MOH: Ministry of Health; NGO: Non-Governmental Organizations; OC: Oral Contraceptive; OR: Odds Ratios; RH: Reproductive Health; SPSSS: Statistical Package for Social Sciences; WHO: World Health Organization

Acknowledgements

We thank Wollega University, Institute of health sciences for logistic support. We are grateful to Kondala district administration, kebele administration, data collectors and study participants for their cooperation in the success of this study.

Authors' contributions

LA and ZS contributed to the design of the study, analysis, interpretation and writes up of the manuscript. HK, ET and GF contributed to the design of the study, data analysis, drafting and edition of the manuscript. All authors critically revised the manuscript and have approved the final manuscript.

Funding

None

Availability of data and materials

The datasets used and/or analyzed during the current study are available from the corresponding author on reasonable request.

Declarations

Ethics approval and consent to participate

Ethical clearance was obtained from the research ethics institutional review board Institute of health sciences, Wollega University. Official letter of support was obtained from Kondala district administration to kebele administration. The purposes of the study were explained and written informed consent was obtained from all participants. Respondents were not being identified by name in the questionnaire. Participant not willing to take part in the study was given full right not to participate. The data from the case records and interview was handled with strong confidentiality. Neither the case records nor the data extracted were used for any other purpose.

Consent for publication

Not applicable. No individual person's personal details, images or videos are being used in this study.

Competing interests

No competing interests exist.

Author details

 ¹Department of Public health, Institute of Health Sciences, Wollega University, Nekemte, Ethiopia. ²Deputy of the health center, Gimbi Health Center, Western Wollega Zone, Gimbi, Ethiopia. ³Department of Midwifery, Institute of Health Sciences, Wollega University, Nekemte, Ethiopia.
 ⁴Department of Public Health, College of Medical and Health Sciences, Madda Walabu University, Goba Referral Hospital, Goba, Ethiopia.
 ⁵Department of Pharmacy, Institute of Health Sciences, Wollega University, P.O Box:395, Nekemte, Oromia, Ethiopia. ⁶School of Pharmacy, Faculty of Medicine, The Chinese University of Hong Kong, Shatin, New territory, Hong Kong.

Received: 16 February 2021 Accepted: 31 March 2021 Published online: 01 June 2021

References

- Sternberg P, Hubley J. Evaluating men's involvement as a strategy in sexual and reproductive health promotion. Health Promot Int. 2004;19(3):389–96. https://doi.org/10.1093/heapro/dah312.
- Family planning in Kenya. A review of national district policies and budgets [http://www.dsw.org/en/wp-content/uploads/2017/01/DSW_Kenya-Budget-Study_30062014.pdf]. Accessed 5 Mar 2019.
- Dudgeon MR, Inhorn MC. Men's influences on women's reproductive health: medical anthropological perspectives. Soc Sci Med. 2004;59(7):1379– 95. https://doi.org/10.1016/j.socscimed.2003.11.035.
- Chekole MK, Kahsay ZH, Medhanyie AA, Gebreslassie MA, Bezabh AM. Husbands' involvement in family planning use and its associated factors in pastoralist communities of Afar, Ethiopia. Reprod Health. 2019;16(1):33. https://doi.org/10.1186/s12978-019-0697-6.
- Bayray A. Assessment of male involvement in family planning use among men in south eastern zone of Tigray, Ethiopia. Scholar J Med. 2012;2(2):1–10.
- Kakaire O, Kaye DK, Osinde MO. Male involvement in birth preparedness and complication readiness for emergency obstetric referrals in rural Uganda. Reprod Health. 2011;8(1):12. https://doi.org/10.1186/1742-4755-8-12.
- Girum T, Shegaze M, Tariku Y. The role of currently married men in family planning and its associated factors in Agaro Town, South West Ethiopia. Ann Med Health Sci Res. 2017;7(6):119–24.
- Bishwajit G, Tang S, Yaya S, Ide S, Fu H, Wang M, et al. Factors associated with male involvement in reproductive care in Bangladesh. BMC Public Health. 2017;17(1):3. https://doi.org/10.1186/s12889-016-3915-y.
- 9. International Planned Parenthood Federation (2011). Male involvement in family planning utilization. In.
- Cohen SA, Richards CL. The Cairo consensus: population, development and women. Fam Plan Perspect. 1994;26(6):272–7. https://doi.org/10.2307/213 5895.
- Ijadunola MY, Abiona TC, Ijadunola KT, Afolabi OT, Esimai OA, FM OO. Male involvement in family planning decision making in Ile-Ife, Osun State, Nigeria. Afr J Reprod Health. 2010;14(4):43–50.
- Helamo D, Tessema F, Doyore F. Assessment of husband-wife communication and practice of contraceptives in Angecha Woreda, Kembata Tembaro zone, South Ethiopia: a cross sectional study. Reprod Syst Sex Disord. 2014;3(134):2.
- 13. Char A. Male involvement in family planning and reproductive health in rural Central India: Tampere University press; 2011.
- Walle Y, Alamrew Z. The current states of male involvement on family planning and factors correlated with among male FactoryWorkers in Bahir Dar City. Am J Public Health Res. 2014;2(5):188–97. https://doi.org/10.12 691/ajphr-2-5-2.
- Mattebo M, Sharma B, Dahlkvist E, Molinder E, Erlandsson K. Perceptions of the role of the man in family planning, during pregnancy and childbirth: a qualitative study with fifteen Nepali men. J Asian Midwiv (JAM). 2016;3(1): 31–45.
- Shisoka J, Litali G. Male involvement in family planning services for population development. J Emerg Trends Econ Manag Sci. 2015;6(7):237–43.
- 17. Yasir BC. Male Involvement in Reproductive Health in District Khairpur, Sindh. Pakistan: The David Lucile & Packard Foundation; 2011.
- Bifato B. Assessment of male involvement in family planning use in Loka Abaya District, Southern Ethiopia: Cross-Sectional Study; 2016.
- Kassa M, Abajobir AA, Gedefaw M. Level of male involvement and associated factors in family planning services utilization among married men in Debremarkos town, Northwest Ethiopia. BMC Int Health Hum Rights. 2014;14(1):33. https://doi.org/10.1186/s12914-014-0033-8.
- Mohammed A, Woldeyohannes D, Feleke A, Megabiaw B. Determinants of modern contraceptive utilization among married women of reproductive age group in north Shoa zone, Amhara region, Ethiopia. Reprod Health. 2014;11(1):13. https://doi.org/10.1186/1742-4755-11-13.
- Eshete A, Adissu Y. Women's joint decision on contraceptive use in Gedeo zone, Southern Ethiopia: A Community Based Comparative Cross-Sectional Study. Int J Fam Med. 2017;2017(9389072):9. https://doi.org/10.1155/2017/93 89072.

- Rekha T, Unnikrishnan B, Prasanna PM, Nithin Kumar RH, Vishal Raina HH. Married men's involvement in family planning–a study from coastal southern India. J Clin Diagn Res. 2015;9(4):LC04.
- Catherine GK. Barriers to male involvement in family planning in Kiambu County, Central Kenya. University of Nairobi Research Archive: Master s thesis). 2016. Retrieved from http://erepository.uonbi.ac.ke/handle/11295/ 99341. Accessed 20 June 2019.
- 24. Tamiso A, Admasu T, Henok B, Zale Z, Admasu D. Barriers to male involvement in family planning services in Arba Minch town, southern Ethiopia: qualitative case study. Int J Public Health Serv. 2016;5(1):46–50.
- Adera A, Belete T, Gebru A, Hagos A, Gebregziabher W. Assessment of the role of men in family planning utilization at Edaga-Hamuse town, Tigray, North Ethiopia. Am J Nurs Sci. 2015;4(4):174–81. https://doi.org/10.11648/j.a jns.20150404.15.
- 26. Tessema ZK. Husband-wife communication about family planning in Assosa town (Ethiopia); 2002.
- Demissie DB, Tilahun A, Arga A, Kurke A, Awel A, Oljira K. Male involvement in family planning and associated factors among Marriedin Malegedo town west Shoa zone, Oromia, Ethiopia. J Culture Soc Develop. 2016;15:12–8.
- ICF. CSACEa: Ethiopia Demographic and Health Survey 2016. Addis Ababa, and Rockville: CSA and ICF. In; 2016.
- Belay AD, Mengesha ZB, Woldegebriel MK, Gelaw YA. Married women's decision making power on family planning use and associated factors in Mizan-Aman, South Ethiopia: a cross sectional study. BMC Womens Health. 2016;16(1):12. https://doi.org/10.1186/s12905-016-0290-x.
- 30. Kondala Woreda Health Office: Background of kondala district. In.; 2019.
- Vouking MZ, Evina CD, Tadenfok CN. Male involvement in family planning decision making in sub-Saharan Africa- what the evidence suggests. Pan Af Med J. 2014;19:349.
- Berhane A, Biadgilign S, Berhane A, Memiah P. Male involvement in family planning program in northern Ethiopia: an application of the Transtheoretical model. Patient Educ Couns. 2015;98(4):469–75. https://doi. org/10.1016/j.pec.2014.12.012.
- Bogale B, Wondafrash M, Tilahun T, Girma E. Married women's decision making power on modern contraceptive use in urban and rural southern Ethiopia. BMC Public Health. 2011;11(1):342. https://doi.org/10.1186/1471-24 58-11-342.
- World health Organization. WHO recommendation on interventions to promote the involvement of men during pregnancy, childbirth and after birth (2015). WHO reproductive health library. Geneva: World Health Organization. In; 2015.
- Dhingra R, Manhas S, Kohli N, Mushtaq A. Attitude of couples towards family planning. J Hum Ecol. 2010;30(1):63–70. https://doi.org/10.1080/ 09709274.2010.11906273.
- Basu A, Das D, Singh R, Chatterjee S, Bhattacharya S, Dutta M. Perception and role of husbands about family planning in a rural area of West Bengal. IOSR J Dental Med Sci. 2015;14(10):37–9.
- Adelekan A, Omoregie P, Edoni E. Male involvement in family planning: challenges and way forward. Int J Population Res. 2014;2014:1–9. https://doi. org/10.1155/2014/416457.
- Alemayehu M, Meskele M. Health care decision making autonomy of women from rural districts of southern Ethiopia: a community based crosssectional study. Int J Women's Health. 2017;9:213–21. https://doi.org/10.214 7/JJWH.S131139.
- Ouma S, Turyasima M, Acca H, Nabbale F, Obita K, Rama M, et al. Obstacles to family planning use among rural women in Atiak health center IV, Amuru District, northern Uganda. East Afr Med J. 2015;92(8):394–400.

Publisher's Note

Springer Nature remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.