

Gender norms and family planning decision-making in Tanzania: a qualitative study

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Abstract

Experience suggests that the incorporation of gender approaches into family planning (FP) and reproductive health (RH) programs may increase their impact and sustainability, but further work is needed to examine the interactions between gender norms and family planning and to incorporate this understanding into behavior change communication (BCC) in specific social contexts. We conducted open-ended, in-depth interviews with 30 young currently married men, 30 young married women and 12 older people who influenced FP decisions. Six focus group interviews were also conducted. The interviews focused on the role of gender norms in reproductive decision-making and contraceptive use among young married men and women in Tanzania. The findings suggest that gender factors, such as men's dominance in decision-making do function as barriers to the use of modern contraceptives, but that fear of side effects, by both men and women, may be even more important deterrents. Results from this research will inform the development of BCC interventions to be tested in a subsequent intervention study in which gender factors and poor information about contraceptive methods will be addressed.

Introduction

Gender norms often support high fertility, influencing the timing of marriage and childbearing and aspirations regarding family size and sex composition. Family planning (FP) programs and services have often selectively accommodated rather than challenged prevailing gender norms by targeting family planning towards women, and reinforced the idea that reproduction and family welfare are women's responsibilities. Beyond limiting the reach of FP services, gender inequality and the norms surrounding masculinity, femininity and male-female relationships can impede the healthy timing and spacing of pregnancies. For exam-

ple, men may be willing to accept women's contraceptive use but unwilling to bear the costs and perceived risks of FP, as has been documented in Bangladesh.¹ In many African settings, fathering children is a sign of virility and status.² In many parts of the world, dominating women by pushing them to have unprotected sex is considered an acceptable way of asserting male power and demonstrating manhood and male rights over women.³ In some settings women have reported that bringing up the issue of condom use can result in violence.⁴⁻⁶ A synthesis of case studies supported by WHO7 points to a number of gender-related constraints that female youth in particular face in exercising choice regarding sexual relationships and accessing sexual and reproductive health and information and using contraceptive methods. These include gender-based double standards, fear of losing the partner, and fear of disclosure.

Gender norms can also have a positive influence on reproductive health. For example, programs have emphasized the norm of men as providers for their families, encouraging them to consider the economic costs of children in the context of rising aspirations for education and consumer goods. Operations research studies have shown success in involving men in maternity care⁸ and increasing spousal communication about family size and family planning.⁹ A study in Tanzania found gender equity to be associated with lower fertility.¹⁰

Tanzania has a fertility rate of 5.7 children per woman. A quarter of young women ages 15-19 have begun childbearing throughout Tanzania, with the highest rates found in the Lake (35%) and Southern (36%) zones. Sixteen percent and 5% of births have spacing periods of less than 2 years, and less than 18 months, respectively.¹¹ Unsafe abortion is a significant problem.¹² Nearly a quarter (24%) of women sexually active married and unmarried women have an unmet need for family planning, according to the most recent Department of Homeland Security (DHS) reports.¹³ Promotion of condoms for disease prevention may be contributing to this unmet need by associating the method with infection and promiscuity.¹⁴

This qualitative study explores the role of gender norms in supporting high fertility, unplanned pregnancies and unhealthy timing and spacing of births in Tanzania. Its objectives were i) to collect and analyze new data regarding the role of gender norms in reproductive decision-making and contraceptive use among young married men and women in Tanzania; and, ii) develop recommendations for behavior change interventions that address gender-related barriers to effective family planning choices. Results from this research are intended to inform the development of

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behavior change communication interventions to be tested in a subsequent operations research study.

Materials and Methods

The study was undertaken among ethnically mixed populations in one urban/peri-urban and two rural sites: Temeke District in Dar es Salaam Region; Mbeya Region; and Mwanza Region. The data consist of open-ended, in-depth interviews (IDI) administered face-to-face by same-sex interviewers with 72 individuals, and six focus group interviews (FGD), one with men and one with women in each site, with about six participants per group (Table 1). Twenty-four IDIs were conducted in each of the three sites: 10 each with recently married (married less than five years) men

and women, and four with mothers-in-law and other key decision-makers (other relatives) as identified in the interviews with the young men and women. Six of the recently married men and women in each site had recently adopted contraception and four had formerly or never used contraception. The samples of IDI and FGD participants did not overlap. The study participants were recruited from health and reproductive and sexual health clinics (two in each site) from among clients of the services and clinic catchment areas with assistance from nurses in the clinics.

Both the IDIs and the FGDs explored the cultural meanings of masculinity and femininity and men's and women's perceptions and expectations of both men's and women's gender roles in FP and FP decision-making. The IDIs explored men's and women's images and expectations of themselves and their spouses, their experiences in making (or avoiding) family planning decisions and, as applicable, using contraceptives, cultural norms related to gender, reproduction and FP. The data were collected by four interviewers, two male and two female, in Kiswahili, using pre-tested semi-structured interview guides and FGD guides. Probing and follow-up questions were emphasized. The IDIs were conducted in a conversational style; in the FGDs, participants were encouraged to talk with one another. The interviews were digitally recorded, transcribed by the interviewers, and translated into English by independent translators.

A US-based researcher developed a codebook to guide thematic coding of the transcripts using the software program MAX-QDA. Additional codes were added after coding a small set of transcripts. The coded data was then analyzed and interpreted by the study team. Narrative analysis was also done using entire transcripts to provide context. Upon completion of the data transcription, the Tanzanian field researchers reviewed their interviews and listed key themes. The US- and Tanzania-based researchers then conducted a participatory analysis workshop in which the themes were reviewed, patterns identified and preliminary conclusions drawn regarding the social processes through which gender norms influence: the timing and spacing of births; discussions about, and the use and non-use of, family planning methods; method choice; and intimate partner violence.

Results

Gender norms

The findings showed near universal agreement among women and men users and nonusers regarding the norms related to men's

Table 1. Data collection plan.

	Site one	Site two	Site three	Total
In-depth interviews (72 total)				
Young married women				
Recent adopters	6	6	6	18
Never users	4	4	4	12
Young married men				
Recent adopters	6	6	6	18
Never users	4	4	4	12
Key decision-makers	4	4	4	12
Focus group interviews (6 total)				
Women	1	1	1	3
Men	1	1	1	3

and women's roles in the family and society.* Men were characterized as being the head of the household, the provider for the family, able to have sex and satisfy a woman, able to have children, and able to participate in society. As head of the household a man was responsible for providing for the family financially, including providing money for clothing, food, education for children, and health care. Men's position as head of household was also described in terms of dominance in decision-making, e.g., *œin charge in each and every decision. What makes me a good man is to have the first and last word on issues like getting children. A man is the sole decision-maker and it doesn't matter whether the woman has her views or not, she has to wait for the man to give the last word.*

In addition to being able to satisfy their wives sexually, men were expected to be able to start a family and have children soon after getting married. Many study participants said that a man who was not able to have children was still a man, but not a *complete man*. A very small minority of male study participants however, said they wanted large families or that a large family would bring them prestige. Money spent on one's family was seen as an investment whereas outside relationships were seen as a drain on family resources and for personal pleasure only. Men were described as wanting, and having a right to both love and sex on demand from their wives. Some study participants said a real man, or an ideal man did not have sex outside marriage, but many also said that men needed more than one woman to be sexually satisfied. According to one woman, it is alright for a man to have an affair as long as he does not flaunt it: *He can do it in secret so that his wife doesn't find out, and that shows that he respects his marriage.* Finally a man was supposed to be able to participate in society by, for example, attending funerals or participating in other community activities.

A woman in Tanzanian society was characterized as the supporter of the husband, a caretaker of the family, and a bearer of children. The ability of a woman to bear children was

linked very closely to the definition of a woman. One male study participant said that a woman who could not have children *...would not be described as a woman. She would be a human being but not a woman because I did not get married to her so that we can look at each other. I married her so that we can have a family and that is by getting children.* Most study participants said that a woman should stick to one man, but some, even men, felt that it was understandable that a woman who neglected her, either emotionally, physically or in providing economic support might take another lover. Like men, women were described as needing love. As men were the main decision-makers in the family, women were expected to support their husbands' decisions. It was considered disrespectful for a woman to disagree with and disobey her husband, though it was generally said to be acceptable for her to provide advice and state her opinion during the decision-making process. *She has...the right to be listened to when she advises on anything that affects the family.*

In contrast to the almost invariant responses regarding men as heads of the family and main decision-makers nearly all study participants said that gender roles were changing. They spoke about the economic roles women were increasingly taking on, as a result of women's education and the hard economic times. When asked about recent changes, study participants voiced more liberal views about the roles women can play in the family and society. Study participants drew contrasts to earlier expectations of women. Whereas then it was the norm for women to stay home and receive money from the husband for food and clothing, it was now becoming more and more acceptable, and even expected, for a woman to do some kind of work to contribute financially to the family.

*There were no substantial differences in the views of male versus vs. female study participants or users and nonusers of contraception except where noted. Similarly, the rural and urban participants were quite similar, except that those in the rural sites often wanted larger families and in a few cases exercised dominance to the point of not allowing their wives to express their views.

One female study participant stated *Long ago women used to stay at home and wait for their husbands to do everything, even to buy them underwear, but now women have come out so strongly and they are doing all that men can do in order for them to get some money. Another said, Previously women used to rely on men but now a man will not marry a woman who is jobless.*

Table 2 summarizes the gender norms that discourage contraceptive use, and those that may facilitate it.

Demand for family planning

The findings indicate a high level of unmet need, with 21 out of 23 non-users of modern contraceptives expressing a desire for spacing or limiting the number of children. Both users and non-users of modern methods of family planning often cited economic reasons for wanting to space and limit the number of children. Men's and women's reproductive intent was formed by their perceptions of how many children they could financially support, including providing adequate food, clothing, and education, particularly in the urban site. A male user stated *The economy does not allow me to have more than two [children] and you are supposed to consider your capability [to support children] before you decide to go for more babies. Are you able to fulfill their needs – that is the question you should ask yourself.* A female non-user also stated that she wanted three children because *I am able to feed them, dress them and educate them well even when my husband is not there. Some women give birth to more than five children and you find that she cannot feed or even dress them. It is not good to do that because it is a slow sure way to poverty.*

Additional benefits of family planning were also mentioned by both users and non-users. They spoke about being able to space their children so that the woman had time to rest, regain her health and remain youthful attractive, as well as for the health and well-being of the children. Study participants also spoke about being able to limit their family size so as to be able to adequately provide for all of their children, including food, clothing, and education. A female user stated *Family planning has proved to be of a great help to women in the villages. People are now planning their families well and we like it so much that our houses are no longer filled with desperate children like it was in the days of our grandparents... It has brought freedom to the woman in the village.* Some women spoke about wanting to space their pregnancies so they could work without worrying about pregnancy. A female non-user stated that *[Family planning] is good. You will get your children with a plan. You will get a chance to rest.* Virtually all study participants recognized that the condom protects against

sexually transmitted diseases as well as pregnancy and many said specifically that men should, or did, use condoms in their extra-marital relationships.

As Table 3 illustrates, women were more motivated than men to practice family planning but not overwhelmingly so (a difference of three cases). Level of motivation was determined by assessing all relevant remarks made by the male or female study participant regarding his/her own motivation and that of the spouse.

Perceptions of modern family planning methods

Both users and non-users often held mixed views of modern family planning methods, recognizing both their benefits for limiting and

spacing children, but also expressing strong fears about their harmful side effects. Common beliefs among the study participants about the side effects of contraceptives included that they caused cancer, caused women to gain or lose weight, bled continuously or stopped having their periods all together (this was seen as harmful to the woman), that the implant could travel throughout the body and become lost, or they caused barrenness. Among non-users, fear of side effects was the most commonly cited reason for not adopting modern contraceptives.

Out of the 21 respondents desiring spacing or limiting, 15 held negative opinions or misconceptions about family planning methods, and stated that either their fear or the fear of their partner was the main reason for not

Table 2. Gender norms and contraceptive use.

Gender norm barriers to family planning	
Sex	Men need sex more than women Men decide when to have sex A woman should not refuse to have sex with her husband
Childbearing and family size	Only when a man/woman has a child is he/she "complete" A real man has many children (unnamed tribe) Large families give men social prestige (unnamed tribe)
Communication and decision-making	The man takes the final decision in the household It is disrespectful for a woman to disagree with her husband A woman should obey her husband The man decides family size and spacing
Contraceptive use	The man decides whether or not to use family planning A woman should not use family planning without her husband's consent, and should not use FB in secret Women who want to use contraceptives want to have affairs Men who use condoms are having affairs
Violence	It is alright for a man to beat his wife if she refuses to have sex with him It is alright for a man to beat his wife if she disagrees with or speaks rudely to her husband It is alright for a man to beat his wife if she uses contraceptives secretly
Gender norm facilitators to family planning	
Couples discuss family planning	A man is concerned about his wife's health A man is responsible for providing for the family A man is dependable

Table 3. Husbands' and wives' motivation to use contraceptives.

	Modern method users	Non-users	Traditional method users
Woman motivated			
Man motivated	31*		1
Woman motivated			
Man not motivated	2**	1	4
Woman not motivated			
Man motivated	2***	1	1
Woman not motivated			
Man not motivated		5	6
Man not motivated			
Woman's motivation unclear		1	2

*14 communication initiated by woman, 11 by men, and 6 unclear; **used secretly; ***husband imposed.

using contraceptives. A male non-user stated that he wanted to have his second child after three years. When asked why he was not using family planning, he said *I don't like to because of the effects they have. I have heard people complaining about them.* One study participant, a male non-user, stated that *One [contraceptive method] is the pill, which causes cancer. Implant, you have to have an operation for them to be inserted and it really irritates where they have been inserted. Injectable method is the one that makes someone add too much weight so these things make me very scared. I've told my wife not to use them.* Even condoms, according to a few, contained cancer-causing lubricants, were infected with the HIV virus, or contained harmful bacteria. Others simply thought the lubricant made women's genitals itch. Several men also described the condom as unreliable; for example, a man in a focus group discussion said: *The condom is good, but there are times when, even if you use it properly, it heats up due to friction and then bursts, causing harm to the users.* Several men also mentioned that they objected to the IUD because to insert it the doctor would need to touch his wife's private parts.

While users tended to view contraceptives positively overall, they still worried about the dangers of presumed side-effects, and this often influenced method choice. For example one female user of injections stated *I don't think [pills] are a good method because some people complain that it... causes cancer.* Another female user of condoms said about injections *If the person giving you the injection makes a small mistake then you will be paralyzed. There is a lady who got paralyzed because the nurse injected her wrongly.*

The difference between users and non-users in their perceptions of family planning was surprisingly small. Both men and women among the couples who were practicing family planning initially feared side effects from contraceptives, but still somehow overcame their fears to the extent of trying a method.

A few male study participants objected to contraceptives for fear they would enable their wives to be promiscuous. One non-user from Dar es Salaam explained *Of course if you are in love you are jealous most of the time, and if I use a family planning method I will never feel at peace because I would fear she may have extramarital affairs, knowing she cannot conceive... We opt for other, natural ways [of birth control].*

Couple communication and decision-making

It was common for husbands and wives to discuss family planning and whether or not they would adopt a modern method. Study participants reported that men however, had the

right to decide, and there was little evidence of couple negotiation about family planning. Out of the 12 female non-users of contraceptives, four women wanted to use family planning methods but did not because their husbands would not permit them to do so. The woman below thought further discussion would be fruitless:

M: Have you ever used or will you ever use the injection?

R: I have no plans to use the injection or any family planning method.

M: Why?

R: Because of the agreement that we have, I and my husband. He does not want anything to do with family planning methods.

M: What about the pills?

R: Even the pills, I mean he does not want any kind of family planning methods.

M: What about you?

R: I support my husband; I do not want anything to do with that.

M: Ok has your husband ever insisted that you should use family planning method?

R: He has never.

M: Have you ever discussed with your husband on the family planning methods?

R: I have never.

M: You have never used it at all?

R: I have never discussed it with him.

M: Why?

R: Because I always see that he does not like it, so I just support him.

M: How do you think about the issue, do you mean you have never discussed anything with him in regard to family planning?

R: I have never done it, and I don't think I will do it.

M: Maybe you have not tried asking him what he thinks about family planning methods?

R: He will refuse when I ask him.

M: Have you ever tried asking him?

R: I once asked him what do you think if we used a family planning method so us we plan but he said no and told me to leave everything up to God, whatever he has for us, let it be.

As the quote above illustrates, women's decision-making power related to contraceptive use was limited by the norm that a woman should respect her husband and obey his decisions. While many women were the first to raise the subject of family planning, they typically consulted their husbands and sought approval before initiating use of contraceptives. A female non-user spoke about a discussion she had with her husband about family planning:

Moderator: Have you ever talked with your husband about family planning?

Respondent: We have talked about it.

M: What did you talk about?

R: We discussed using them for one year.

M: How did you start the conversation and what did you say?

R: I told him we should begin using family planning so that I would not give birth every year and so that I could go back to school.

M: What did he say?

R: He refused.

M: Why did he refuse?

R: He said you cannot go to school now. That is why he refused.

A male non-user described a conversation he had with his wife, in which he told her that he wanted four children. *She did not question me nor ask the reason why. She told me that I'm the one who makes the decisions and that she cannot decide anything for me. A male user said that telling his wife to use contraceptives was a command, not a request. I told her that it was a must for us to use it.* Another male user said *I do involve her [in decisions] because when I want to have a child I tell her and she agrees. But she can't tell me that we should stop having more children because I am the one to make that decision.* One urban woman was afraid to raise the subject at all: *For example, if I made myself out as knowing too much and started talking about family planning I would definitely get a beating. That is why I choose to remain silent.*

Without the husband's consent, women rarely initiated contraceptive use on their own. A female non-user stated *If he ever finds out that I'm using any type of family planning method then my marriage would be in trouble. He refuses because he says that I might never be able to deliver again and that is why I've decided to take his advice. I'm not going to use any kind of family planning method just in case he discovers it and this brings problems in our relationship.*

A large minority of the women non-users expressed a desire to use modern contraceptives but stated that they did not adopt a method because their husbands did not allow it. In several other cases men imposed contraceptive use on their wives rather than blocked its use.

Many of the men had made misinformed decisions related to contraception, as it is not normative for men to seek information from sources such as health clinics. Three men out of the 11 non-users directly stated they did not have enough information on contraceptives to make an informed decision, but that did not stop them from deciding that neither they nor their wives would use family planning methods, for fear of side effects.

Four women admitted that they had initiated contraceptive use without their husbands' involvement or consent. One was switching methods from condoms to pills, a second began using pills after visiting a health clinic and then discussed this with her husband, and the remaining two did so in secret, fearing serious conflict, including violence or divorce if they went against their husbands' wishes openly.

We suspect the actual the number may have been higher. One woman began using contraceptives secretly after experiencing marital problems. He had threatened to divorce her, and should that happen, she did not want to be pregnant, so she decided to protect herself by using injections. *...I got scared of getting pregnant at that time when there are problems. So I decided to use injectable contraceptives until the problem was over. Because it reached a point that he threatened to get a divorce, so what would have happened if he divorced me while I was pregnant?*

The consequences for women using family planning methods in secret were described as very severe. Both men and women, users and non-users, said that if a woman was caught using contraceptives secretly a husband would warn, beat or divorce his wife. Most believed that a decision like that should not be made without involving the husband, and that if the husband refused, his decision should be obeyed. Many also said that using contraceptives secretly would create mistrust, and cause a husband to think she is doing other things in secret, such as having an affair. A man in a Dar es Salaam focus group described his own experience: *My wife was using the pill in secret and it took me a very long time to find out. It was after not getting a baby for a long time that I discovered it. To be honest, I kicked her out of the house...It was very hard. Another man said, hypothetically, I think the marriage would end because [it would mean] she was not faithful.* A woman in a Dar es Salaam focus group said, *If he discovers it you will see that your bags have been thrown out and your divorce papers are on the table. If he discovers it at night then the beatings will start, and at 5:00 in the morning you will be kicked out.*

Discussion

The study identified a combination of gender norms and other factors that function as barriers to the use of modern contraceptives in the Tanzania setting. Regarding the role of gender, many of the items included in Table 2 above, under barriers to contraceptive use, only function as barriers in combination with other factors. For example, the first three items under sex only discourage the practice of family planning insofar as men lack the knowledge and motivation to practice it and women cannot decide by themselves to use contraception nor confine sexual intercourse to days when they are not fertile (although a significant number were using the calendar method). Similarly, men's dominance in decision-making is only a barrier to contraceptive use insofar as men want large families (only a few wanted very large families, though others said

they wanted as many as 4 or 5 children) or are against contraceptive use for another reason. In several cases men imposed contraceptive use on their wives rather than blocked its use.

Oyediran *et al.* found that significant proportions of study participants in Nigeria reported couple communication on reproductive health issues and concluded that this was a sign of an emerging egalitarian society where equity and respect is becoming a norm.¹⁵ However, in our study, nearly all men and women held discussions on family planning but gender inequity was still evident in family planning decision-making, where the final decision was left to the man. Our findings suggest that couple communication alone is not enough to determine relationships are equitable; equitable discussions and decision-making may be a more meaningful indicator.

Most of the male non-users we interviewed were against contraception because they were misinformed regarding its side effects and they feared it would harm their wives. Because family planning was considered a woman's domain, men rarely sought family planning information from reputable sources. However, the women seemed to harbor similar misconceptions and fears about contraceptive side effects. Sexual jealousy also discouraged contraceptive use, and the threat of conflict and violence discouraged women who wanted to space or limit their pregnancies from taking a stronger stand. Study participants mentioned these factors, but in hypothetical contexts or with reference to other people. It should be noted as well that the *gender norm facilitators* of family planning that we identified in the study (bottom of Table 2) do not always function as such. For example, while men's role in looking after the welfare of the family and the health of their wives was mentioned in virtually every interview, in many cases this translated into opposition to family planning based on exaggerated fears about side effects, rather than into support for family planning, as one might expect.

Thus, on balance, despite ample evidence of gender inequality and gender norms that were potential barriers to the use of contraception, fears and misconceptions about side effects appeared to be a more powerful deterrent to contraceptive use than inegalitarian gender norms. As Table 3 illustrates, in this relatively small sample, women on the whole were somewhat more motivated to practice family planning than men were (a difference of three cases), but not overwhelmingly so. As we did not interview couples, half of the cases in the table reflect men's accounts of their wives' family size desires and preferences to use or not use contraception, which may be questionable (and the other half reflect women's accounts of their husbands' preferences).

There seemed to be only small differences

between users and nonusers with respect to their fears and misconceptions about contraceptive methods, but the small differences were decisive. To users, the benefits of being able to space their children apparently outweighed the risks of side effects, and after trying one method and finding minimal problems with side effects, they continued.

In conclusion, the findings from this study underscore the importance, in the design of communications interventions, of addressing both factors related to gender and misinformation and exaggerated fears about modern contraceptive methods. Family planning messages and interventions should engage both men and women and encourage equitable decision-making. Men should be encouraged both to seek information regarding modern contraceptive methods from reliable sources and to encourage their wives or partners to do so. Efforts may also be required to strengthen the capacity of clinics and other sources of contraception to provide accurate information.

References

- Schuler SR, Hashemi SM, Cullum A, Hassan M. The advent of family planning as a social norm in Bangladesh: womens' experiences. *Reprode Health Matter* 1996; 7:66-78.
- Isiugo-Abanihe UC. Reproductive motivation and family-size preferences among Nigerian men. *Stud Fam Plann* 1994;25:149-61.
- Pulerwitz J, Barrer G, Segundo M, Nascimento M. Promoting more gender-equitable norms and behaviors among young men as an HIV/AIDS prevention strategy. *Horizons Final Report*. 2006, Population Council, Washington DC, USA.
- George A, Jaswal S. Understanding sexuality: an ethnographic study of poor women in Bombay. 1995, International Center for Research on Women, Washington DC, USA.
- Jenkins C. The National Sex and Reproduction Research Team. Women and the risk of AIDS: a study of sexual and reproductive knowledge and behavior in Papua New Guinea. 1995, International Center for Research on Women Washington DC, USA.
- Wyatt GE, Tucker MB, Eldemire D, Bain B, LeFranc E, Chambers C. Female low income workers and AIDS in Jamaica. 1992, International Center for Research on Women, Washington DC, USA.
- Brown AD, Jejeebhoy SJ, Shah I, Yount KM. Sexual relations among young people in developing countries: evidence from WHO case studies. 2001, WHO,

- Department of Reproductive Health and Research, Geneva, Switzerland.
8. Varkey LC, Mishra A, Das A, Ottolenghi E, Huntington D, Adamchak S, et al. Involving men in maternity care in India. 2004, Population Council, New Delhi, India.
 9. Lundgren R, Gribble J, Greene M, Emrick G, Monroy M. Cultivating men's interest in family planning in rural El Salvador. *Stud Fam Plann* 2005;36:173-88.
 10. Larsen U, Hollos M. Women's empowerment and the fertility decline among the Pare of Kilimanjaro region, Northern Tanzania. *Soc Sci Med* 2003;57:1099-115.
 11. National Bureau of Statistics [Tanzania] and ORC Macro. Tanzania Demographic and Health Survey 2004-05. 2005, National Bureau of Statistics and ORC Macro, Dar es Salaam, Tanzania.
 12. Plummer ML, Wamoyi J, Nyalali K, Mshana G, Shigong ZS, Ross DA, et al. Aborting and suspending pregnancy in rural Tanzania. *Stud Fam Plann* 2008;39:281-92.
 13. Khan S, Mishra V. Youth Reproductive and Sexual Health. DHS Comparative Reports 19. 2008, Macro International Inc., Calverton, MD, USA.
 14. Plummer ML, Wight D, Wamoyi J, Mshana G, Hayes RJ, Ross DA. Farming with your hoe in a sack: Condom attitudes, access, and use in rural Tanzania. *Stud Fam Plann* 2006;37:29-40.
 15. Oyediran K, Isiugo-Abanihe UC, Bankole A. Correlates of spousal communication on fertility and family planning among the Yoruba of Nigeria. *J Comp Fam Stud* 2006;37:41-61.