# IMPROVING ADOLESCENT REPRODUCTIVE HEALTH AND NUTRITION THROUGH STRUCTURAL SOLUTIONS IN WEST HARARGE, ETHIOPIA (Abdiboru Project)

Baseline Quantitative Survey Report



### Prepared by Addis Continental Institute of Public Health

February, 2017

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## **Executive summary**

Improving Adolescent Reproductive Health and Nutrition through Structural Solutions project (Abdiboru Project) is implemented in West Hararghe Zone, Oromia, Ethiopia. The project is funded by the Bill and Melinda Gates Foundation. The project interventions are developed and implemented by CARE/ Ethiopia. Addis Continental Institute of Public Health is the research partner responsible for the research and evaluation components of the project.

The project interventions will be evaluated using a quasi-experimental design. The project woredas are divided into three arms. Arm 1(Double-combination) – is a combination of interventions that improve girl's agency(individual level intervention) and gender equality by strengthening service provider and local government effectiveness, responsiveness, and accountability to adolescent girls' issues and needs (government level intervention). Arm 2 (Triple-combination) is a combination of three interventions; individual, government level, and community level (SAA that is designed to challenge and change the social norms at households and in communities to support empowerment of adolescent girls). Arm 3(delayed intervention/control arm) is a delayed intervention/control arm group and receives the usual services.

The process and outcome of the project are assessed using a mix of quantitative and qualitative data collection methods at base line, midterm and end line. This report presents the baseline quantitative survey findings.

This baseline quantitative survey was conducted from May 2016 to August 2016. Respondents were adolescent girls (n=3186); female reference group, which includes mothers, mothers-in-law, sisters and sisters-in-law of the index adolescent girl (n=3203), and male reference group, which includes fathers, husbands, brothers, fathers-in-law and brothers-in-law of the index adolescent girl (n=3196). Index adolescent girls for the survey were identified through a complete house-to-house counting.

# Key results

The following are key findings of the baseline survey that are in line with the results tracker/evaluation framework of the project:

- Adolescent girls on average spent double time for doing household chores compared to the time they spent for either leisure or study.
- The majority (60.82%) of adolescent girl's reported that they are the ones to choose whom to marry. However, about 78.85% of the adolescent respondents perceived that other girls have a say whom to marry. This view was shared by both female and male reference groups in all arms.
- About 11.99% of adolescent girl age 13-17 reported to have been married at least once in their life. Of those, about 40.86% had given birth to child at least once.
- The majority of adolescent girls reported having moderate to high level of confidence to negotiate for their rights; 77.73% in double-combination arm; 74.73% in triple-combination arm, and 74.73% in the delayed intervention/control arm.
- The majority of adolescent girls reported having moderate to high level of confidence about their communication skills; 78.32% in double-combination arm; 75.62% in triple-combination arm, and 75.36% in the delayed intervention/control arm.
- About half of adolescent girls perceived having mutual aid, trust, connectedness and social support from people who matters most to them. Perception of mutual aid was 51.12% in double-combination arm; 48.57% in triple-combination arm, and 47.39% in the delayed intervention/control arm. Perception of trust was 50.18% in double-combination arm; 50.06% in triple-combination arm, and 45.93% in the delayed intervention/control arm. Perception of connectedness was 49.63% in double-combination arm; 47.78% in triple-combination arm, and 45.45% in the delayed intervention/control arm. Perception of social support was 50.24% in double-combination arm; 46.70% in triple-combination arm, and 47.31% in the delayed intervention/control arm.
- About two-third of the study adolescent girls commonly mentioned menarche, growth in breast and growth of pubic and underarm hair as characteristics of puberty. About two-third of the adolescents mentioned the age of menarche to be between 12 and 15 years. About half of the adolescents mentioned the duration of menstrual blood flow is 3-5 days.

- Less than half of the adolescents heard methods to avoid pregnancy; 41.92% in doublecombination arm; 44.94% in triple-combination arm, and 37.25% in the delayed intervention/control arm. Injectable contraceptive and pills were the most commonly recognized methods.
- Most adolescents have inadequate awareness about STIs; HIV/AIDS was identified by two third of adolescents, gonorrhea and syphilis were identified by about a third, and other STIs were identified by less than 2% of adolescents. A little more than half of the adolescent respondents recognized STIs are transmitted through Sexual contact. Knowledge about prevention methods is generally very low; abstinence (46.8%), using condoms (23.5%) and being faithful to one partner (21.4%).
- More than half (range from 54.87% to 77.59%) of married adolescent reported decision on household finance is made jointly with their husband.
- About 60% of adolescents who have their own income revealed that they have autonomy over their own income.
- More than 90% of adolescents reported that they can negotiate financial support for their school need. However, only 38% of the adolescents reported ability to negotiate financial support for their hygiene needs.
- The majority of adolescent girls (76.05%) reported that other people do not think it is normal for girls to be able to move freely outside the home if she wants to.
- The majority (78.98%) of the adolescent girls agreed that most other adolescent girls would be served food after their male siblings or husbands in the household. About half (54.95%) of the adolescent girls agreed that most other adolescent girls would have the same amount of food as their male siblings or husbands in the household. The majority (87.09%) of the adolescent girls agreed that most other adolescent girls would have the same quality of food as their male siblings or husbands in the household.
- Only 8% of adolescents reported to have had contact with health extension workers. Of those who had contact 93.3% reported their contact was satisfactory

- 82.13% of adolescents attending school at the time of the survey reported that their school had separate toilets for girls with doors and walls. 22.18% of adolescents attending school reported their school provide sanitary supplies. 67.32% of adolescents attending school reported their school had counselor for girls.
- The majority (87.74%) of the adolescent girls had normal BMI adjusted for age (BAZ).
- 59.32% of 13-17 girls were registered in school for the current academic year. However, only 86.64% of those registered were actually attending school at the time of the study.

## 1. Background

Adolescents grow through complex web of peer, family, community, and societal influences that affect their present and future health and wellbeing. Some of these influences are deep-rooted in traditional and cultural practices making the influences uneasy for interventions. Social norms are among the many social forces and systems that highly influence adolescent behavior (1, 2). Social norms are often unspoken rules or expectations of behavior within a specific cultural or social group (3, 4). Social norms persist either due to individuals' preference to conform, given the expectation that others will also conform, or due to sanctions which are related to not conforming (5). A variety of external and internal pressures are thought to maintain social norms (4). Individuals conform to social norms in fear of social disapproval or penalty and feelings of guilt and shame that result from the internalization of norms. Social norms do not necessarily correspond with an individual's attitudes (positive or negative feelings towards an idea or behavior) and beliefs (perceptions that certain premises are true), on the other hand social norms may influence these attitudes and beliefs if they become internalized (3).

Adolescents' health is strongly influenced by social factors at personal, family, community, and national levels depending on the prevailing social structures and norms. Efforts to address social determinants of health need to understand the social contexts and also the pathways by which social conditions translate into health effects (1, 2).

Among the social structures in which adolescents are highly influenced these days is the school/ education system. Education has significant contributions on adolescent's health in different ways including the delivery of skills and knowledge that is necessary to help adolescents' make healthy choices about their reproductive health and sexual behaviors. However, adolescent girls in many developing country, including Ethiopia, have been given lesser opportunities of attending formal education compared to boys and those attended school had less chances of continuing to their education to a higher level (6, 7).

In recent years, school enrollment for adolescent girls have shown remarkable improvements in Ethiopia. According to the Ministry of Education of Ethiopia, 8.7 million adolescents between 11 and 14 years of age were enrolled in 2013/2014 academic year, of whom females accounted for 49% of the students (6). While previous reports have depicted that boys have higher chance of being enrolled (7), these days girls have a better chance of survival in primary school (6).

However girls' survival beyond primary education dramatically declines as compared to boys (6, 7). Thus, it is imperative to understand the barriers to attaining higher educational level for girl whilst opportunities are apparently wide open.

Child marriage is widely acknowledged as a harmful sociocultural practice that is both a cause and an outcome of human rights violations and adolescents' reproductive health. Child marriage often curtails chances for a better education and economic independence (8). In Ethiopia child marriage is still practiced (9) despite the law strictly forbids child marriage. According to the 2011 Ethiopian Demographic and Health Survey (EDHS), the median age at first marriage was 16.5 years, and 40% of all women in their early 20s were married before they turned 18 years of age (9). Men were unlikely to marry as children; women were more likely to be married by the age of 18 than men are by the age of 25 years (9).

Report from a study conducted among women aged 20-24 years in nine major regions of Ethiopia in 2009 to 2010 have shown that 16.5 % the women were married before the age of 15 years. Majority, 89%, of these marriages were arranged and about 71% of the brides met their husbands for the first time on the day of their wedding (11). Further analysis of EDHS 2011 data has shown that 59% of women in the age group of 20 to 29 years reported being married before the age of 17 years while 19% were married before the age of 14 years (12).

Nutritional status is another key factor that affects the health and welling of adolescents. Chronic malnutrition among women in Ethiopia is high, 27% of women was either thin or undernourished (9). Among this, adolescents are the most affected group. Household gender dynamics often mean that girls are more food-insecure than their male counterparts. In Oromia, 58% of adolescent girls experience food allocation discrimination (13). Female adolescents living in a household with food insecurity and high dependency ratio are more likely to suffer from food discrimination (14, 15). Food insecure adolescents, especially those living in rural area were found to have higher rate of school absenteeism as compared to food secure adolescents (16).

In Ethiopia cultural practices that put men as a primary decision makers are dominant. Men decide on matters that involve household financial management, and on children's marriage and schooling (17). Lack of agency/autonomy even on matters that seriously affect their health and wellbeing has left adolescent girls in Ethiopia in a much compromised situations. The extent of these effects is believed to vary from region to region but what is common in all is that it has not been studied/documented well in any of the regions, which makes planning appropriate and context relevant interventions an extremely difficult task. This quantitative study was conducted to have a baseline estimate of key indicators of social norms among adolescent girls and their reference groups prior to implementing an intervention package aimed at empowering adolescent girls through improved reproductive health, education and nutrition in West Hararghe zone of Oromia regional state, Ethiopia. The intervention project is referred to as "*Abdiboru Project*", which means hope for the future.

# The Abdiboru Project

Improving Adolescent Reproductive Health and Nutrition through Structural Solutions (Abdiboru Project) is a five-year (2016 – 2020) project funded by the Bill and Melinda Gates Foundation and implemented by CARE/ Ethiopia in West Hararghe Zone, Oromia, Ethiopia. The project targets girls 10-14 year of age. The project aims at empowering adolescent girls through applying improved individual level and structural level social interventions that are likely to improve the reproductive health, nutrition and education attainment of adolescent girls. The ultimate aim is to establish a cost effective model that can be applied at scale. The project tests two sets of intervention packages against a delayed intervention/control arm group as described in the table below:

	Usual services	Supporting girls' group	Community Score Card Interventions	Social Analysis and Action (SAA) Intervention
		(Individual level)	(Government-level)	(Community-level)
Arm 1 (Double-intervention)	$\checkmark$	$\checkmark$	$\checkmark$	
Arm 2 (Triple -intervention)	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Arm 3 (Delayed Intervention/ control arm group)	$\checkmark$			

Table 1: Study arms

• Usual services are those provided by government and other agencies without the influence of Abdiboru project.

• The individual level intervention implemented through in-school and out-of- school girls clubs, with married and unmarried adolescent girls aged 10 to 14 years. The individual level intervention is believed to significantly increase gender equality by ensuring that adolescent girls have the skills, capacity, and self-efficacy to negotiate for themselves and make decisions that affect their own lives.

- The government level intervention (Community Score Card Interventions) focuses on enhancing the support and accountability of service providing institutions. The intervention is believed to significantly increase adolescent girls' empowerment and gender equality by strengthening service provider and local government effectiveness, responsiveness, and accountability to adolescent girls' issues and needs.
- Social Analysis and Action (SAA) Intervention (Community-level) help to develop and implement changes in social norms at the household and communities to enhance adolescent girls' empowerment.

This initiative is informed by CARE's previous and ongoing direct experience in Ethiopia and elsewhere, as well as by compelling evidence from other organizations and institutions. The interventions will be conducted by CARE Ethiopia and the assessment of the impact of the interventions and the overall monitoring and evaluation of the project will be undertaken by Addis Continental Institute of Public Health (ACIPH). The evaluation of this program has several components: qualitative and quantitative studies at baseline and end line, assessment of the quality of intervention, routine monitoring and process evaluation which includes quarterly documentation of routine activities, costing effectiveness, intensity assessment and quality perception.

This quantitative study establishes baseline for key social norms indicators affecting adolescent girls' education, marriage and food allocation in the project implementation area.

# 2. Methods

## 2.1. Study Area

West Hararghe zone is composed of 13 Woredas (administrative areas) and one town. Based on the 2007 Census, the estimated population is 1,871,706. Women and girls account for 48.8% of the population. Majority of the population resides in the rural areas (91.4%) and is Oromo Ethnic group (90.12%). Affan Oromo is spoken as a first language by 89.47%. Islam is the dominant religion (88.05% of the population). Around 85% of the population depends on agriculture related activities for living(1). The baseline survey was conducted in four selected Woredas (three program and one delayed intervention/control arm woredas) of West Hararghe Zone, Oromia Region, Ethiopia. The study woredas have been selected in consultation with CARE/Ethiopia based on programmatic needs.



Figure 1: Map of West Hararghe zone and Study woredas.

# 2.2. Study Design

The evaluation utilized a quasi-experimental mixed method design with three arms to evaluate the impact of CARE intervention in West Hararghe, Oromia, Ethiopia (Fig. 1). The project design constitutes baseline, process and end line assessments. The baseline and end line assessments employ quantitative surveys while the process evaluation employs qualitative studies. This report presents the bassline survey conduced from May, 2016 to August, 2016.



Figure 2: Description of the evaluation study arms

# 2.3. Study population

The study population for the baseline survey was consist of three individuals per household: girls between 13 and 17 year of age; female and male reference group of the household from adolescent girl house.

# 2.4. Sample size determination

The sample size for the baseline survey was calculated assuming a reduction of early marriage from 22% to 15%, a 5 percent level of significance, 90 percent power, average cluster size of 30, a design effect of 1.5 and 10% non-response rate. Accordingly, a total of 1140 households were needed for each arm. Thirty households with eligible adolescent girl and reference groups in 38 clusters were selected in each arm, which means a total of 3420 (1140\*3) households in each of the three arms.

# 2.5. Sampling technique

A two stage cluster sampling method was employed. Development zones (a sub division of kebele) in each kebele (the smallest formal administrative unit) were considered as clusters. In the first stage, 38 clusters were selected using simple random sampling technique after obtaining a complete list of clusters in the selected woredas from the respective woreda health office. In the second stage, a complete census of households and populations in the selected clusters was done to identify households with eligible adolescent girl's aged 13-17 year and reference groups (both female and male). Based on the census, 30 households were selected randomly using a computer generated random number. If there were more than one eligible adolescent in the household, the elder was selected. Likewise, if more than two influential adult family members were identified, two of the most influential was selected based on the findings of the formative qualitative assessment. (Fig 4).



#### Figure 3: Sampling Scheme for evaluation survey, West Hararghe, Ethiopia

## 2.6. Data collection tools and procedure

Data were collected using a structured and pre-tested questionnaire. The questionnaire considers the major outputs and outcomes of the project as well as the independent factors. The baseline survey used five modules:

- Census captured all household member list, head of the household, adolescent girl age 13-17, and the relationship of the index adolescent girl with the rest of the household members.
- 2. **Household questionnaire** captured the socio-economic and food security profile of the households. The head of the household responded to the questionnaire.
- 3. Adolescent girl questionnaire and Anthropometric Measurements interviewed adolescent girls age 13-17 year to capture information on socio demographic, education and school attendance, early marriage, girls empowerment and decision making power, adolescent reproductive and sexual matters, food allocation. Anthropometry measurements were taken for all index adolescents enrolled in the study following the WHO guidelines Weight measurements were taken to the nearest 0.1 kg using the UNICEF electronic scale (capacity 150 kilograms). Weighing scales were calibrated each morning using a standard weight before the survey team start interview. Height measurements were taken using wooden height boards/stands.
- 4. **Female Reference questionnaire** (Mother, sister, mother in law and sister in-law) administered to female references (influential person for the adolescent girl) in the household. If the selected adolescent girl was unmarried, the female reference group were her mother or female siblings aged 18 years or older. If the adolescent girl was married the reference group were mother in-law or sister in-law who reside in the same household. This module captured information on socio demographic, education and school attendance, early marriage, girls' empowerment and decision making power, adolescent reproductive and sexual matters, food allocation.
- 5. **Male Reference questionnaire** (Father, Brother, Husband, father in law and brother inlaw) - administered to male reference (influential person for the adolescent girl) in the household. If the selected adolescent girl was unmarried, the male reference group were her father or male siblings aged 18 years or older. If the adolescent girl was married the reference group were husband or father in-law or brother in-law who resides in the same household. This module captured information on socio demographic, education and school attendance, early marriage, girls' empowerment and decision making power, adolescent reproductive and sexual matters, food allocation.

All study tools were first developed in English and then translated into the local language, *Affan Oromo*. The ODK (Open data Kit), an electronic data collection program, was used to record data. Open data kit program used secure centrally managed server. Each data collector submitted completed data to their supervisors on daily basis. The supervisors then did a quick review of the data and submitted to the server at ACIPH. The data management team at the ACIPH reviewed and provided feedback to the supervisors in the field regularly.

## 2.7. Survey field team recruitment and Training

Data collectors and supervisors were recruited and trained for three weeks. Data collectors had at least college Diploma and fluent in written and spoken Oromifaa language. The supervisors had at least first degree, fluent in written and spoken Oromifaa language and a good command of English language. A field operation manual was prepared to ensure that all survey team members have similar understanding of the procedures and the tools. Validation was done to assess whether the data collectors and supervisors were competent to undertake the expected duties by doing samples of pre-determined responses. Data collectors that did not correctly register at least 95% of the responses were eliminated from the team before they were deployed to the field.

Two round training was given on the survey methodology, electronic data collection interview techniques as well as on anthropometry measurements. Both the trainings were consist of presentations, role plays and mock interviews. The first training was done for ten days that includes objective of the survey, methodology, basic ethical issues relevant for the study as well as expected behaviours and code of conduct during the study period.

The second training was given for six days based on revised tools following pre-test. A second standardization procedure was done for the interview and anthropometric measurements. Trainees who fail to record at least 95% of the responses correctly in the final standardization interview were excluded.

A pre-test was done in a similar setting but in areas not included in the main study. The purpose of the pretest was to see the appropriateness of the questions, the language flow and understandability of the questions both by the respondents as well as the data collectors. The pretest was also used as an opportunity to familiarize the data collectors with the tools in actual contexts. The finding from the pre-test was used to improve the language, flow and appropriateness of the tools.

Data collectors conducted a complete census in each cluster to select eligible households and conduct interviews with the index adolescent girl (age 13-17 year) and her male and female references (one male age $\geq$ 18 and one female  $\geq$ 18). Each respondent was interviewed separately.

#### 2.8. Data management and analysis

**Data cleaning:** each day excel (CSV) forms were downloaded from the server and checked for certain key variables. When data collection was completed, the data were transferred to SPSS version 20 for further cleaning to identify and correct logical errors and inconsistencies. Datasets were linked using unique codes assigned to clusters, households and individuals. Then, the cleaned data were transferred on to STATA/SE version 13 statistical software for data analysis. Weights were produced and applied to ensure the sample represents the population from which it was drawn.

**Data Analysis:** Weighted data were used to produce the necessary information required in the results tracker/evaluation framework. For this baseline survey, descriptive analysis of socio demographic data and social norm was done. Weighted average and standard error, parentage and confidence interval of social norm variables were done and presented in table and graph form.

#### 2.9. Ethical issues

The research protocol was reviewed by the Addis Continental Ethical Review Board. All the necessary permissions were obtained from the Oromia Regional Health Bureau and West Hararghe zone. Informed consent was obtained from all participants. For participants below the age of 15 year additional parental/ guardian consent was sought. All interviews among the study participants was take place in a private setting.

# 3. Result

# 3.1. Adolescent girls- Socio-demographic characteristics

A total of 3238 adolescent girls aged 13 - 17 years participated in the survey with very high response rate; 99.2% in the Double-combination arm, 95.2% in triple-combination arm, and 90% in the delayed intervention/control arms. The mean age of adolescent girls participated in the study were comparable. The overwhelming majority were followers of Islam religion and Oromo by ethnicity. Students constitute in majority in all arms but more in the double-combination arm (Table 2).

Characteristics	Double-combination	Triple-combination arm	Delayed
	arm		intervention/control arm
	N (% )	N (% )	N (% )
No of Adolescents visited	1140	1140	1140
No of adolescents responded	1126(98.77)	1071 (93.95)	989 (86.75)
Mean age of adolescents (Mean+SD)	14.88 <u>+</u> 0.039	14.85 <u>+</u> 0.043	14.87 <u>+</u> 0.043
Occupation			
Farmer or Family farm work	150(13.32)	163(15.22)	172(17.39)
Wage work (Occasional)	1(0.09)	6(0.56)	27(2.73)
Daily laborer	4(0.36)	5(0.47)	7(0.71)
Business/Trader	13(1.15)	40(3.73)	39(3.94)
Household work/housewife	226(20.07)	282(26.33)	270(27.30)
Student	687(61.01)	503(46.97)	418(42.26)
Don't work	26(2.31)	44(4.11)	41(4.15)
Religion			
Muslim	969(86.06)	895(83.57)	937(94.74)
Christian	155(13.76)	141(13.17	52(5.26)
Ethnicity			
Oromo	1089(96.71)	1018(95.05)	970(98.08)
Others	37(3.29)	52(4.86)	19(1.92)

Table 2: Background characteristics of Adolescent girls (13-17 years old), August 2016

# 3.2.2. Education and school attendance indicators of Adolescent girls

## 3.2.2.1. Adolescent girl's education and school attendance

Overall majority of the adolescent girls reported ever attending school; 88.11% in double combination arm, 70.75% in triple-combination and 76.67% in the delayed intervention/control arm. However, only 45.99%-60.72% of those ever attend were functionally literate (able to read a

complete sentence) at the time of the survey. The average age for school dropout is 10-12 year and the average grade for school dropout is grade four. The majority of girls who dropped from school did so not to earn income. (Table 3)

Characteristics	Double-combination	Triple-combination arm	Delayed
	arm		intervention/control arm
	% ( 95% CI)	% ( 95% CI)	% ( 95% CI)
Can read and write (n=3181)			
Yes	65.58 (60.27,70.52)	49.48 (41.78,57.22)	45.17 (39.71,50.76)
No	34.42 (29.48,39.73)	50.52 (42.78,58.22)	54.83 (49.24,60.29)
Ability to read sentence (n=1704, among those who can read)			
Can't read at all	6.148 (3.97,9.404)	5.808 (4.134,8.102)	10.9 (6.93,16.73)
Able to read only parts of sentence	35.35 (30.17,40.88)	33.47 (28.04,39.37)	43.11 (37.32,49.08)
Able to read the whole sentence	58.51 (51.79,64.92)	60.72 (53.99,67.08)	45.99 (39.92,52.19)
Ever attended school (n=3181)			
Yes	88.11 (85.14,90.54)	79.75 (74.23,84.34)	76.67 (71.58,81.1)
Never	11.89 (9.456,14.86)	20.25 (15.66,25.77)	23.33 (18.9,28.42)
Highest grade level achieved (n=2598, among ever attended) Mean <u>+</u> SE	4.68 <u>+</u> 0.186 (4.31,5.05)	4.27 <u>+</u> 0.198 (3.87,4.66)	3.35 <u>+</u> 0.16 (3.04,3.66)
Average age at school dropout (n=175, among	10.91 <u>+</u> 0.34	12.15 <u>+</u> 0.331	11.85 <u>+</u> 0.32 (11.22,12.48)
those who dropped out) Mean <u>+</u> SE	(10.23,11.59)	(11.49,12.81)	
Average grade at school dropout (n=175, among those who dropped out) Mean <u>+</u> SE	3.59 <u>+</u> 0.31 (2.99,4.20)	4.15 <u>+</u> 0.37 (3.42,4.89)	3.33 <u>+</u> 0.25 (2.83,3.82)
Dropped out of school to earn an income (n=175, among those who dropped out)			
Yes	38.58 (22.68,57.35)	14.34 (7.522,25.63)	23.85 (14.26,37.11)
No	61.42 (42.65,77.32)	85.66 (74.37,92.48)	76.15 (62.89,85.74)

Table 3: Adolescent girls Education and school attendance status, August 2016

Regarding adolescent responsive school environment, the majority of the schools had counselors for girls and separate toilets for girls. However, availability of water and sanitary supplies for girls was limited to a very small proportion of schools. (Figure 4)



Figure 4. Availability of selected school facilities and personnel as reported by in-school adolescent girls, August 2016

Nearly one third of adolescent girls in double-combination arm and one fourth of adolescent girls in triple-combination arm and delayed intervention/control arms reported "Family couldn't afford to pay fees" as a major reason for school dropout, followed by "Had to care for family" reported by 17.54 (9.69, 29.67) and 17.44 (10.13, 28.35) of adolescent girls in the triple-combination arm and delayed intervention/control arms, respectively. Cleaning the house, cooking for the family and fetching water were almost universal activities carried out by the adolescent girls across all woredas. (Figure 5)

Adolescent girls reported they missed on average 2-3 school days in the last month. The dominant reasons for missing school days were to help in household chores and sickness (self). Only 1-5% of adolescents reported menstrual period as reason for missing school days. About 65% of adolescent girls reported receiving financial support for school needs. The grade level aspired by adolescent girls was 10-11grade. The majority of adolescents who never attend school aspired to go to school; 53.2-61.62%. (Table 4)

Characteristics	Double-combination	Triple-combination arm	Delayed
	arm		intervention/control
			arm
	% ( 95% CI)	% ( 95% CI)	% ( 95% CI)
Average number of days missed from school in	2.12 <u>+</u> 0.153 (1.82, 2.42)	2.75 <u>+</u> 0.35 (2.05, 3.44)	2.99 <u>+</u> 0.31 (2.38, 3.61)
the past month (n=1135, among those who are			
Reasons for missing school			
(n=902 among those who missed school)			
To do household chores	45.47 (39.41,51.66)	59.8 (51.79,67.33)	55.01 (47.73,62.09)
There was nothing to eat	6.212 (3.761,10.09)	5.464 (2.876,10.14)	7.359 (4.606,11.56)
Sickness	41.03 (33.01,49.55)	29.08 (21.93,37.45)	34.95 (28.2,42.37)
Menstrual period	4.909 (2.849,8.331)	2.599 (1.008,6.537)	1.496 (0.5432,4.049)
Others (Late to school, fasting, death of family member, marriage)	8.275 (4.912,13.61)	25.85 (18.52,34.84)	10.81 (6.976,16.38)
Don't know	18.23 (11.78,27.13)	8.752 (6.223,12.17)	10.3 (6.881,15.15)
Receive financial support for school needs?	64.15 (58.87,69.11)	65.48 (59.47,71.04)	66.08 (60.12,71.57)
(n=1366, among those who are enrolled in school)			
Person who mostly provides financial support for school needs (n=889, among those who get financial support)			
Father	50.88 (44.83,56.91)	52.55 44.65,60.32)	68.14 (60.41,74.98)
Mother	43.06 (36.48,49.9)	42.37 (34.58,50.55)	28.33 (21.66,36.11)
Husband	1.119 (0.4224,2.928)	0.8634 (0.2568,2.861)	1.166 (0.378,3.535)
Mother-in-law	1.217 (0.3847,3.78)	0	0
Other family members	2.953 (1.537,5.599)	3.945 (2.1,7.291)	2.086 (0.7433,5.714)
Other (Teacher, Self)	0.7643 (.2428,2.379)	0.2771 (0.0397,1.909)	0.28 (.00395,1.955)
Desire ever to go to school (n=583, among those who never went to school)			
Yes	60.38 (50.82,69.21)	53.2 (40.78,65.23)	61.62 (51.48,70.85)
No	37.73 (28.86,47.49)	44.91 (32.83,57.62)	34.74 (26.68,43.79)
Not sure	1.891 (0.5518,6.273)	1.892 (0.7565,4.653)	3.634 (0.861,6.976)
Do you have aspiration for the future? (n=3181)			
Yes	95.11 (93.12,96.55)	87.13 (80.7,91.65)	88.35 (85.37,90.79)
No	4.89 (3.45,6.89)	12.87 (8.35,19.3)	11.65 (9.21,14.63)
Girls' aspiration in completing school grades	11.43 <u>+</u> 0.36(10.71,12.15)	11.18 <u>+</u> 0.21 (10.77, 11.59)	10.42 <u>+</u> 0.33 (9.76,
(Average School grades (Mean <u>+</u> SE))			11.08)

## Table 4: Education and school attainment of Adolescent girls, August 2016

The data shows that adolescent girls had more time for doing House Hold chores or for care of children than time for study and leisure weighed average time (+SE) 4.25 + 0.12 double-combination arm, 4.72+0.11 triple-combination arm and 4.41+0.19 delayed intervention/control arm (Table 4). Adolescent girls in the triple-combination arm allotted average 4.72 + 0.11 Hrs/day, while adolescent girls in the first and delayed intervention/control arms spent 4.25 + 0.12 and 4.41 + 0.19 Hrs/day, respectively. (Table 5)

1 2	0	, 0		
			Delayed	
	Double-combination arm	Triple-combination arm	intervention/control arm	
Characteristics	% ( 95% CI)	% ( 95% CI)	% ( 95% CI)	
Leisure time spent (n=3181)				
Hrs/day	2.09 <u>+</u> 0.07 (1.94,2.23)	2.17 <u>+</u> 0.95 (1.98, 2.36)	2.07 <u>+</u> 0.099 (1.87,2.25)	
		3.99 <u>+</u> 0.16 (3.69,		
Days/week	3.71 <u>+</u> 0.15 (3.41 ,4.01)	4.31)	3.84 <u>+</u> 0.16 (3.52,4.16)	
Study time spent (n=3181)				
Hrs/day	2.75 <u>+</u> 0.11 (2.54,2.96)	2.84 <u>+</u> 0.10 (2.64,3.04)	2.45 <u>+</u> 0.11 (2.24,2.66)	
Days/week	4.52 <u>+</u> 0.14 (4.24,4.79)	4.63 <u>+</u> 0.15 (4.33,4.92)	4.32 <u>+</u> 0.149 (4.06 ,4.67)	
HH chores/care of children time spent (n=3181)				
Hrs/day	4.25 <u>+</u> 0.123 (4.01,4.49)	4.72 <u>+</u> 0.11 (4.49,4.95)	4.41 <u>+</u> 0.19 (4.02,4.80)	
Days/week	5.76 <u>+</u> 0.18 (5.41,6.11)	5.77 <u>+</u> 0.12 (5.53,6.01)	5.78 <u>+</u> 0.16 (5.46,6.09)	

Table 5: Time spent by the adolescent girls for deferent activities, August 2016



Figure 5: Activities carried out at home by adolescent girls on a daily basis, August, 2016

Among girls that responded to the survey, 9 in 10 of adolescent girls in the double-combination arm and 8 out of 10 girls in the triple-combination arm and delayed intervention/control arms reported to having ever attended school. Currently school enrollment stood at 58%, 44% and 41% in the first, triple-combination arm and delayed intervention/control arm woredas, respectively. School attendance in the first, triple-combination arm and delayed intervention/control arm woredas stood at 55%, 38% and 34%, respectively. (Figure 6)



Figure 6: Educational status of adolescent girls (13-17), August 2016

# 3.2.3. Attitude, empirical expectation, normative expectation and behavior of adolescent girls on education and school attendance

## 3.2.3.1. Attitude on education and school attendance

Nine out of ten girls in all arms agreed that adolescent girls should have the same opportunity in education as boys. The mean level of school grade girls should achieve was reported as 11.04+0.14 (95% CI. 10.77, 11.32) and 10.22+0.27 (95& CI. 9.68, 10.76) in the first and triple-combination arms, respectively. Eight out of ten girls in the double-combination arm disagreed the notion that adolescent girls are more helpful in the household instead of going to work while seven out of ten girls in the triple-combination arm and delayed intervention/control arms said the same thing. (Table 6)

## 3.2.3.2. Empirical expectation on education and school attendance

Three quarter of girls in the first, triple-combination arm and delayed intervention/control arms said that most girls in the community have the same opportunity in education as boys, while other girls' realistic grade achievement as reported by the respondents was 9.79+0.15 (95% CI. 9.49, 10.08), 9.12+0.28 (95% CI. 8.57, 9.68) and 9.4+0.15 (95% CI. 8.75, 9.33) in the first, triple-combination arm and delayed intervention/control arms, respectively.

Six out of ten girls in the triple-combination arm and delayed intervention/control arms have recalled that most adolescent girls in the community often get absent from school to do household chores. (Table 6)

### 3.2.3.3. Normative expectation on education and school attendance

Concerning education opportunity, almost 7 out of 10 adolescent girls in the first, triplecombination arm and delayed intervention/control arms reported that most people expect adolescent girls to have the same opportunity in education as boys.

Adolescent girls reported that the mean school grade level people in the community expect them to attend was 10.04+0.18 (95% CI. 9.69, 10.39), 9.41+0.28 (95% CI. 8.85, 9.98) and 9.35+0.12 (95% CI. 9.10, 9.59) in the first, triple-combination arm and delayed intervention/control arms, respectively.

Almost seven out of ten and six out of ten adolescents in the first and triple-combination arms, respectively disagreed that most people expect them to do household chores instead of going to school. (Table 6)

#### 3.2.3.4. Behavior on education and school attendance

Approximately, nine out of ten girls in the double-combination arm and triple-combination arm and eight out of ten girls in the delayed intervention/control arm reported to having the same opportunity in education as boys in their household.

Majority of adolescent girls in the first, triple-combination arm and delayed intervention/control arms reported a mean grade level of 11.43+0.36 (95% CI. 10.71, 12.15), 11.18+0.21 (95% CI. 10.77, 11.59) and 10.42+0.33 (95% CI. 9.76, 11.08), respectively to achieve in the future.

Four out of ten adolescent girls in the first, triple-combination arm and delayed intervention/control arms reported to getting absent from school to do household chores. (Table 6)

Arm	Response	Attitude	Empirical expectation	Normative expectation	Behavior	
		Adolescent girls should have the same opportunities as boys in education	Most girls in the community have the same opportunity in education as boys.	Most people expect girls in the community to have the same opportunity in education as boys.	Response	Do you have the same opportunity in education as boys in your household?
		% (95% CI)	% (95% CI)	% ( 95% CI)		% (95% CI)
Double-	Agree a lot	68.59 (63.96,72.88)	32.34 (28.89,35.99)	30.97 (27.04,35.19)	No, never	10.15(8.06-12.7)
combination arm	Agree a little	20.09 (16.76,23.89)	34.5 (31.1,38.07)	39.48 (35.92,43.15)	Yes, always	52.99 (48.12-57.8)
	Disagree a little	6.864 (5.077,9.219)	20.4 (17.06,24.2)	18.87 (15.48,22.81)	Yes, sometimes	36.87(31.51-42.57)
	Disagree a lot	4.311 (2.781,6.625)	12.5 (9.491,16.28)	10.26 (7.721,13.52)		
Triple-combination	Agree a lot	67.11 (61.3,72.43)	31.91 (26.3,38.11)	34.45 (29.03,40.31)	No, never	12.47 (9.782,15.77)
arm	Agree a little	19.8 (16.44,23.64)	31.1 (27.24,35.24)	35.96 (31.48,40.7)	Yes, always	52.86 (47.44,58.21)
	Disagree a little	6.735(3.201,13.62)	19.25 (15.11,24.21)	16.99 (12.63,22.46)	Yes, sometimes	34.67 (30.16,39.47)
	Disagree a lot	5.632 (3.737,8.405)	16.6 (12.76,21.32)	11.45 (8.685,14.96)		
Delayed	Agree a lot	61.82 (58.06,65.44)	28.38 (24.04,33.16)	32.76 (27.95,37.96)	No, never	16.16 (13.58,19.13)
intervention/control	Agree a little	21.52 (18.6,24.76)	32.28 (29.04,35.7)	36.69 (32.85,40.72)	Yes, always	49.07 (44.72,53.44)
arm	Disagree a little	9.89 97.446,13.02)	21.85 (18.74,25.31)	17.36 (14.73,20.35)	Yes, sometimes	34.76 (31.08,38.64)
	Disagree a lot	6.041 (4.611,7.877)	16.51 (13.75,19.69)	11.76 (9.133,15.02)		
		Until what grade should an adolescent girl ideally get education?	Until what grade do you think most girls attend school?	Until what grade do most people expect adolescent girls to attend school?		Up to what grade would you like to go in school?
Double-	Mean <u>+</u> SE	11.04 <u>+</u> 0.14 (10.77, 11.32)	9.79 <u>+</u> 0.15	10.04 <u>+</u> 0.18 (9.69,	Mean <u>+</u> SE	11.43 <u>+</u> 0.36 (10.71,
combination arm	Mean+SE	10 22+0 27 (9 68 10 76)	(9.49,10.08) 9 12+0 28 (8 57 9 68)	10.39)	Mean+SE	$\begin{array}{c} 12.15) \\ 11.18 \pm 0.21 \\ (10.77) \end{array}$
arm	inican <u>-</u> 5E	10.22 + 0.27 (9.00, 10.70)	9.12 <u>+</u> 0.20 (0.57,9.00)	9.11 <u>1</u> 0.20 (0.00, 9.90)	ineun <u>-</u> 5E	11.59)
Delayed intervention/control arm	Mean <u>+</u> SE	10.15 <u>+</u> 0.14 (9.88, 10.42)	9.04 <u>+</u> 0.15 (8.75, 9.33)	9.35 <u>+</u> 0.12 (9.10, 9.59)	Mean <u>+</u> SE	10.42 <u>+</u> 0.33 (9.76, 11.08)
		Compared to boys, adolescent girls are more useful/helpful in the household chores than going to school	Most girls are often absent from school to do household chores	Most people expect you to do household chores instead of going to school?		How often do you get absent from school and do household chores when compared to your brothers/other adolescent boys?
Double	Agree a lot	% (95% CI) 5 74 (4 19, 7 83)	% (95% CI) 18.06 (14.08, 22.86)	% (95% CI) 8 85 (6 11, 12 67)	Often	% (95% CI) 6 54 (4 67, 9 09)
combination arm	Agree a little	13 75 (11 26 16 68)	37 07 (32 73 41 63)	22 01 (17 81 26 86)	Sometimes	32 9 (28 43 37 7)
	Disagraa a littla	20.11 (16.59, 24.18)	20.58 (17.12.24.51)	22.01 (17.01, 20.00)	Doroly	32.9(20.43, 37.7)
	Disagree a lot	60.34 (53.07, 66.37)	23.65 (10.38, 28.51)	29.30 (23.93, 33.03)	Navar	40.2 (32.76, 48.12)
Triple combination	Agree a lot	10.89 (8.75, 13.48)	25.05 (19.58, 28.51)	15 47 (11 6 20 35)	Often	6 29 (3 62, 10 72)
arm	Agree a little	16.59 (12.76, 21.25)	24.54 (21.42.27.70)	26 81 (22 52 21 57)	Somotimos	(3.2) $(3.02, 10.72)$
	Disagree a little	10.30 (12.70, 21.23) $15.13 (11.08, 19.04)$	17.00(14.74.21.70)	20.01 (22.33, 31.37) $20.86 (17.14, 25.14)$	Doraly	20.10 (16.35 24.69)
	Disagree a lot	56 77 (10 58 62 60)	19.7(15.12, 25.24)	20.00 (17.14, 23.14) 35.74 (28.72, 42.44)	Never	40 72 (32 20 46 20)
Delayed	A groo s lot	12 92 (11 22 16 04)	17.7 (13.13, 23.24)	18 61 (15 62 22 25)	Often	40.72 (32.29, 40.39)
intervention/control	Agree a lot	15.85 (11.22, 10.94)	20.91 (25.9, 30.10)	10.01 (13.03, 22.33)	Giten	5.01(2.20, 0.33)
arm	Agree a little	10.74 (14.3, 19.49)	30.73 (34.31, 39.27)	28.75 (24.95, 32.91)	Sometimes	40.38 (33.2, 47.99)
	Disagree a little	15./5 (12.84, 19.19)	17.10 (14.87, 21.05)	19.48 (16.93, 22.31)	kareiy	22.02 (17.23, 27.68)
	Disagree a lot	53 (48.11, 57.83)	17.18 (14.48, 20.27)	31.84 (27.45, 36.59)	Never	33.56 (26.07, 41.99)

# Table 7: Education and school attendance attitude, Empirical, Normative and Behavior of Adolescent girls, August 2016

## 3.3.2. Early Marriage indicators of Adolescent girls

## 3.3.2.1. Adolescent girls on early marriage

Majority (73%, 58% and 60%) of girls in the first, triple-combination arm and delayed intervention/control arms actually chose the man that they married, while regarding adolescent girl's ability to influence when they marry, for the majority (69.92%, 60.57% and 65.58%) of married adolescents, it was their plan to get married at the time. (Table 7)

Characteristics		Double-combination arm	Triple-combination arm	Delayed intervention/control arm
		% (95% CI)	% (95% CI)	% (95% CI)
Who chose the man that you married? (n=370, those who married)	Myself (Girls)	73.09 (60.32,82.91)	58.19(46.18,69.3)	60.14 (48.26,70.93)
	Peers	20.07 (11.81,32.01)	13.51 (8.63,20.55)	8.75 (3.79,18.91)
	Father	3.65(1.28,9.96)	16.85(8.757,29.96)	18.44(12.2,26.89)
	Mother	1.31 (0.18,8.79)	2.19(0.80,5.88)	5.79(2.65,12.2)
	Others family Members	1.88 (0.26,12.25)	2.748 (1.08,6.84)	2.75 (0.86,8.49)
Did you plan to get married at that time(n=370, those who married)	Yes, It was my intention	69.92(54.56,81.82)	60.57(51.64,68.85)	65.58(54.71,75.03)
	I was pressured by peers	20.19(9.69,37.34)	11.83(7.02,19.26)	10.67(6.53,16.95)
	I was pressured by family	4.57 (1.18,16.13)	16.31 (9.878,25.75)	17.56 (10.97,26.92)

Table 7: Adolescent girl decision making on their marriage, August 2016

Among adolescent girls aged 13 - 17 years old who aren't married, almost 1/10 (8.343 (6.352, 10.89), 7.394 (5.508, 9.858) and 9.778 (7.537, 12.6)) of them in the double-combination arm, triple-combination arm and delayed intervention/control arms had a plan to marry with a majority of them (51.65%, 38.47%, 36.1%) hoping to marry after 4 or more years from now, respectively.

Approximately, 14 years is the average age of adolescent girls when they got married among the woredas. Majority of adolescent girls (77.98%, 76.37% and 73.82%) in the double-combination arm, triple-combination arm and delayed intervention/control arms, respectively didn't consult their parents when they planned to marry. Majority of adolescent girls (69.94%, 57.75% and 56.16%) in the double-combination arm, triple-combination arm and delayed intervention/control arms and delayed intervention/control arms and delayed intervention/control arms arm and delayed intervention/control arms are at least few to 10 years old than them.

In the arms, 43%, 29.7% and 21.2% of adolescent girls were attending school a month before the marriage, while only 22.27%, 22.11% and 17.11% were attending school after marriage in the double-combination arm, triple-combination arm and delayed intervention/control arms, respectively. (Table 8)

		-,8		1
Characteristics		Double-combination arm	Triple-combination arm	Delayed
				intervention/control
				arm
		% (95% CI)	% ( 95% CI)	% ( 95% CI)
Plan to marry (n=2786,	Yes	8.343 (6.352,10.89)	7.394 (5.508,9.858)	9.778 (7.537,12.6)
among not married)	No	84.67 (80.37,88.17)	82.88 (78.75,86.35)	79.58 (75.58,83.08)
	Don't know	6.987 (4.817,10.03)	9.725 (6.996,13.36)	10.64 (8.215,13.67)
How soon do you want	< 12 months	4.805 (1.745,12.54)	10.8 (4.382,24.23)	19.88 (10.08,35.45)
to marry? (n=231,	12 - 23 months	22.28 (12.73,36.04)	24.77 (13.66,40.66)	19.87 (12.69,29.74)
among those who	24-35 months	11.27 (4.892,23.88)	11.42 (4.887,24.46)	14.34 (8.248,23.77)
planned to marry)	36-47 months	9.994 (3.827,23.65)	14.54 (6.086,30.86)	9.806 (4.723,19.25)
	$\geq$ 48 months	51.65 (34.67,68.26)	38.47 (22.46,57.42)	36.1 926.41,47.08)
Average age at first	Mean <u>+</u> SE	14.59 <u>+</u> 0.16 (14.26, 14.91)	14.45 <u>+</u> 0.11 (14.23, 14.67)	14.89 <u>+</u> 0.14 (14.62,
marriage (n=396,				15.18)
among married)				
Did you talk to your	Yes	22.02 (12.32,36.18)	23.63 (16.03,33.4)	26.18 (17.45,37.3)
parents before making	No	77.98 (63.82,87.68)	76.37 (66.6,83.97)	73.82 (62.7,82.55)
the decision to marry?				
(n=396)				
Was the man you were	Younger	1.977 (0.2558,13.69)	7.69 (4.37,13.18)	5.427 (2.35,12.04)
married younger, about	About the same age	7.477 (3.583,14.95)	8.293 (4.322,15.33)	8.449 (4.847,14.33)
the same age or older	Older: less than 10	69.94 (58.15,79.58)	57.75 (49.44,65.65)	56.16 (46.73,65.17)
than you? $(n=396,$	years older			
among married)	Older: 10 or more	17.41 (10.02,28.52)	12.88 (8.002,20.08)	14.67 (9.744,21.49)
	years older			
	Older: don't know	3.196 (0.6565,14.16)	7.22(4.184,12.18)	13.28 (7.993,21.26)
	difference			
	Don't know	0	6.163 (2.998,12.25)	2.012 (0.6333,6.206)
Were you attending	Yes	43.04 (30.82,56.17)	29.7 (20.7,40.61)	21.2 (14.08,30.64)
school during the	No	56.96 (43.83,69.18)	65.48 (54.95,74.68)	78.8 (69.36,85.92)
month before your	Don't know	0	4.822 (1.868,11.880	0
wedding took place? $(n-206)$				
(II=390) Wara you attending	Vac	47.01 (22.26.61.12)	27 52 (26 52 40 07)	26 59 (19 77 26 19)
school during the year	1 es	47.01 (35.50,01.12)	57.15 (46.22.67.22)	20.38 (18.77,30.18)
before your wedding	No Don't know	0	5 226 (2 252 11 61)	1 022 (0 1246 7 220)
took place? $(n=396)$	Doll t kilow	0	5.520 (2.555,11.01)	1.022 (0.1540,7.559)
Did your husband or	Yes	22.27 (15.64, 30.69)	22.11 (15.31, 30.82)	17.11 (10.53, 26.57)
parents' allow you to	No	76.4 (68.11.83.08)	71.61 (61.61, 79.86)	78.01 (68.15, 85.47)
continue school after	Don't know	1. 32 (0.17, 9.29)	4 88 6 28 (2.97, 12.8)	4 89 (2.26, 10.22)
marriage? (n=396)				

#### Table 8: Adolescent girls Marriage, August 2016

# 3.3.1. Attitude, Behavior, Empirical and Normative Expectation of adolescent girls on early marriage

## 3.3.1.1. Attitude on early marriage

The average ideal age for adolescent girls to get married was reported as 17.36+0.12 (95% CI. 17.12, 17.59), 16.74+0.13 (95% CI. 16.48, 17.01) and 16.86+0.85 (95% CI. 16.69, 17.03) in the first, triple-combination arm and delayed intervention/control arms, respectively. Similarly, 8 out of 10 adolescent girls in all arms agreed that adolescent girls should have a say over the decision

to marry. 84% of adolescent girls in the three arms believed that adolescent girls should decide who to marry (Table 9)

Sixty seven percent in the double-combination arm and 79% of adolescent girls in the triplecombination arm believed that adolescent girls should have the final decision over the decision to marry, while 57% and 68% of adolescent girls in the first and triple-combination arms, respectively said that adolescent girls should talk to their parents before deciding to marry. (Table 10)

## 3.3.1.2. Empirical Expectation on early marriage

Adolescent girls in the first, triple-combination arm and delayed intervention/control arms reported that most adolescent girls in the community commonly marry at age of 16. 7 in 10 girls in arms reported that most adolescent girls have a say whether they want to marry or not while, 8 out of 10 adolescent girls in the fist and delayed intervention/control arms reported that other girls in the community decide who they marry. (Table 9)

At least 7 in 10 adolescent girls in all arms believed that adolescent girls should have the final decision over their decision to marry, while 3 in 10 adolescent girls in the double-combination arm and 4 in 10 girls in the triple-combination arm and delayed intervention/control arms said most adolescent girls talk to their parents before making decision to marry. (Table 10)

### 3.3.1.3. Normative Expectation on early marriage

Adolescent girls believed that Most parents expect adolescent girls to get married by 17.35+0.15 (95% CI. 17.06, 17.64), 16.78+0.13 (95% CI. 16.51, 17.04) and 16.84+0.08 (95% CI. 16.68, 17.00) in the first, triple-combination arm and delayed intervention/control arms, respectively. 7 in 10 adolescent girls in the three arms believed that most parents expect adolescent girls to have a say whether they want to marry or not, while similarly, 7 in 10 adolescent girls in the three arms asserted that most parents expect adolescent girls in the three arms asserted that most parents expect adolescent girls to choose who to marry. (Table 9)

Three forth (68% and 67%) of adolescent girls in the triple-combination arm and delayed intervention/control arms reported that parents expect them to make the final decision regarding marriage. (Table 10)

### 3.3.1.4. Behavior on early marriage

The average age at marriage for married girls was 14.59+0.16 (95% CI. 14.26, 14.91), 14.45+0.11 (95% CI. 14.23, 146.67) and 14.89+0.14 (95% CI. 14.62, 15.18) in the first, triple-combination

arm and delayed intervention/control arms, respectively. One fourth of married adolescent girls in the first and delayed intervention/control arms said they didn't have a say over the decision to marry, while 7 out of 10 married adolescent girls in the double-combination arm 6 out of 10 married adolescent girls in the delayed intervention/control arm actually decided who they wanted to marry. (Table 9)

5 in 10 married adolescent girls actually made the final decision regarding their marriage while only 2 in 10 girls in all arms talked to their parents before making the decision to marry. (Table 10)

	<u> </u>		<b>F</b>	h	<b>D</b> 1	
Arm Response		Attitude	Empirical expectation	Normative expectation Behavior		
		What is the ideal age	At what age do most	At what age do parents	Response	At what age did you
		for a girl to get	adolescent girls	expect girls to marry?		first marry?
		married?	commonly marry?			
Double-	Mean <u>+</u> SE	$17.36 \pm 0.12$ (17.12,	16.38 <u>+</u> 0.11(16.16,	$17.35 \pm 0.15$ (17.06,	Mean <u>+</u> SE	14.59 <u>+</u> 0.16 14.26,
combination arm		17.59)	16.61)	17.64)		14.91)
Triple-combination	Mean <u>+</u> SE	$16.74 \pm 0.13$ (16.48,	$15.89 \pm 0.12$ (16.65,	$16.78 \pm 0.13$ (16.51,	Mean <u>+</u> SE	$14.45 \pm 0.11$ (14.23,
arm Dalaand	Marris	17.01)	16.13)	17.04)	ManuelCE	140.07
Delayed	Mean <u>+</u> SE	$10.80 \pm 0.85$ (10.09, 17.02)	$16.19 \pm 0.73$ (16.05, 16.24)	$16.84 \pm 0.08$ (16.68, 17.00)	Mean <u>+</u> SE	14.89 <u>+</u> 0.14 (14.62,
arm		17.03)	10.54)	17.00)		13.18)
am		Adolescent girls	Most adolescent girls	Parents expect girls to		Did vou have a sav
		should have a say	have a say whether they	have a say whether they		over if you wanted to
		whether they want to	want to marry or not	want to marry or not		marry or not?
		marry or not				2
		% (95% CI)	% (95% CI)	% (95% CI)		% (95% CI)
Double-	Agree a lot	54.05 (50.03,58.01)	40.94 (35.71,46.38)	36.55 (31.78,41.6)	Yes, supported the	61.87 4704, 74.78)
combination arm					marriage	
	Agree a little	28.55 (25.41,31.91)	31.95 (27.76,36.46)	34.93 (30.95,39.14)	Yes, Protested the	12.05 (5.55, 24.23)
					marriage	
	Disagree a little	8.674 (6.629,11.27)	15.43 (12.27,19.22)	16.19 (12.57,20.6)	No	26.08 (15.53, 40.37)
	Disagree a lot	8.385 (5.98,11.64)	11.48 (8.853,14.76)	11.88 (9.411,14.9)	Don't know	0
Triple-combination	Agree a lot	60.4 (55.32,65.26)	38.79 (34.3,43.48)	33.62 (28.67,38.95)	Yes, supported the	46.53 (35.95, 57.43)
arm					marriage	
	Agree a little	22.41 (18.87,26.38)	32.18 (27.74,36.97)	36.61 (31.86,41.64)	Yes, Protested the	13.4 (9.45, 18.65)
					marriage	
	Disagree a little	7.526 (5.574,10.09)	13.67 (10.61,17.43)	15.57 (12.53,19.18)	No	38.19 (29.38, 47.86)
	Disagree a lot	7.967 (6.054,10.42)	13.46 (10.23,17.51)	12.49(9.385,16.44)	Don't know	1.88 (0.59, 5.86)
Delayed	Agree a lot	57.7 (53.15,62.13)	39.95 (35.55,44.51)	35.37 (31.28,39.69)	Yes, supported the	55.79 (46, 65.14)
intervention/control		25.11 (22.01.21.00)		26.00 (21.55.10.61)	marriage	
am	Agree a little	27.11 (22.81,31.89)	34.35 (29.61,39.43)	36.08 (31./5,40.64)	Yes, Protested the	16.06 (9.69, 25.45)
	Discourse a 11441a	5 402 (4 254 ( 007)	12 2 (10 26 14 22)	14 19 (11 07 16 72)	marriage	07.19 (10.02.25.99)
	Disagree a little	3.492 (4.334,0.907) 8 876 (6 226 12 40)	12.2 (10.30,14.32)	14.18 (11.97,10.72)	NO Don't Imouv	27.18(19.95, 55.88)
	Disagree a lot	8.870 (0.230,12.49)	11.6 (9.50,14.76) Most sink in the	15.55 (10.8,10.59) Most parants expect sire	Don't know	0.98(0.14, 0.4)
		should decide who to	community choose who	to choose who to marry		that you married?
		marry	they marry	to choose who to many		mat you marrieu?
		% (95% CD	% ( 95% CI)	% (95% CI)		% (95% CI)
Double-	Agree a lot	55.95 (51.72,60.09)	50.09 (45.87,54.32)	41.03 (36.62,45.59)	Myself	73.09 60.32,82.91)
combination arm	Agree a little	28.39 (24.83,32.25)	31.32 (27.27,35.67)	32.56 (28.71,36.65)	Father	3.645 (1.277,9.96)
	Disagree a little	8.113 (6.164,10.61)	10.63 (8.157,13.75)	16.04 (12.31,20.63)	Mother	1.312 (0.1831,8.788)
	Disagree a lot	7.361(5.328,10.09)	7.664 (5.482,10.62)	9.826 (8.048,11.95)	Other family members	1.884 (0.2634,12.25)
	Don't know	0.109 (0.025,0.4791)	0.29 (0.0931,0.9039)	0.5415 (0.2442,1.196)	Peers (Friends)	20.07 (11.81,32.01)
Triple-combination	Agree a lot	60.93 (56.12,65.54)	43.82 (37.94,49.88)	35.03 (29.53,40.96)	Myself	58.19 (46.18,69.3)
arm	Agree a little	23.42 (19.93,27.31)	32.2 (27.53,37.25)	32.92 (27.57,38.76)	Father	16.85 (8.757,29.96)
	Disagree a little	7.088 (5.361,9.318)	11.84 (8.404,16.43)	15.5 (12.12,19.6)	Mother	2.198 (0.8016,5.88)
	Disagree a lot	7.474 (5.475,10.12)	10.7 (7.533,14.99)	15.21 (11.6,19.68)	Other family members	2.748 (1.075,6.842)
	Don't know	1.009 (0.3079.3.2530	1.298 (0.7185.2.334)	1.128 (0.3077.4.047)	Peers (Friends)	13.51 (8.626.20.55)
Delayed	Agree a lot	58.03 (52.83.63.06)	49.04 (43.71,54.39)	38.79 (34.11,43.7)	Myself	60.14 (48.26,70.93)
intervention/control	Agree a little	27.04 (21.65.33.2)	31.81 (26.12.38.09)	32.34 (28.05.36.96)	Father	18.44 (12.2.26.89)
arm	Disagree a little	7.108 (5.385.9.328)	9.208 (7.345.11.48)	15.4 (13.04,18.09)	Mother	5.792 (2.649.12.2)
	Disagree a lot	6.772 (4.832.9.414)	8.546 (6.625.10.96)	12.07 (9.84,14.73)	Other family members	2.753 (0.8556.8.496)
	Don't know	0.9616 (0.3861,2.374)	1.398 (0.6268,3.088)	1.389 (0.64,2.989)	Peers (Friends)	8.746 (3.789,18.91)

# Table 9: Attitude, empirical and normative expectation and behavior of adolescent girls on marriage, August 2016

Arm	Response	Attitude	Empirical expectation	Normative expectation	Behavior	
		Adolescent girls should have the final decision over their decision to marry	Most adolescent girls have the final decision over their decision to marry	Parents expect adolescent girls to make the final decision regarding their marriage		Who made the final decision regarding your marriage?
		% (95% CI)	% (95% CI)	% (95% CI)		% (95% CI)
Double-	Agree a lot	41.65 (38.1,45.28)	46.56 (41.89,51.28)	37.8 (32.32,43.62)	Myself	70.3 (56.82, 80.98)
combination arm	Agree a little	25.62 (21.74,29.93)	32.41 (28.29,36.83)	34.39 (30.4,38.62)	Husband	22.97 (12.56, 38.22)
	Disagree a little	11.97 (9.755,14.6)	12.37 (9.924,15.31)	15.88 (12.43,20.07)	Father	82.51 (66.09, 91.94)
	Disagree a lot	20.19 (16.49,24.48)	8.371 (6.113,11.36)	11.57 (8.996,14.76)	Mother	12.68 (4.56, 30.6)
	Don't know	0.5694 (0.2047,1.574)	.2907 (0.0931,.9039)	0.2245 (0.0713,.7052)	Other family member	5 (1.665, 14.06)
					Peers (Friends)	10.74 (4.987,21.61)
Triple-combination	Agree a lot	53.48 (48.77,58.13)	38.86 (34.28,43.65)	31.59 (26.26,37.45)	Myself	60.6 (51.69, 68.87)
arm	Agree a little	25.49 (22.25,29.03)	34.47 (29.98,39.25)	36.91(31.76,42.37)	Husband	14.5 (10.18, 20.22)
	Disagree a little	8.731 (6.523,11.59)	12.25 (9.567,15.56)	17.71(14.39,21.59)	Father	29.64 (21.32, 39.57)
	Disagree a lot	10.97 (8.542,13.99)	12.94 (10.13,16.39)	11.92 (9.309,15.15)	Mother	14.61 (9.168, 22.49)
	Don't know	1.322 (0.5577,3.101)	1.41 (0.6946,2.843)	1.745 (0.7027,4.269)	Other family member	4.791 (2.242,9.946)
					Peers (Friends)	8.907 (4.983,15.42)
Delayed	Agree a lot	50.57 (46.7,54.45)	39.45 (33.93,45.25)	34.41(30.33,38.73)	Myself	59.83 (47.34, 71.16)
intervention/control	Agree a little	27.53 (23.38,32.09)	36.42 (30.79,42.45)	33.73 (29.33,38.43)	Husband	15.14 (9.02, 24.29)
arm	Disagree a little	8.932 (7.369,10.79)	12.43 (10.11,15.18)	16.84(13.97,20.15)	Father	33.61 (25.07, 43.36)
	Disagree a lot	11.83 (9.615,14.48)	10.25 (7.993,13.05)	13.52 (11.01,16.49)	Mother	9.925 (5.712, 16.69)
	Don't know	1.134 (0.6378,2.01)	1.452 (0.7959,2.635)	1.507 (0.7674,2.939)	Other family member	2.639 (0.824,8.124)
					Peers (Friends)	3.006 (0.9368,9.221)
		Adolescent girls should take to their parents before making the decision to marry	Adolescent girls are most likely to talk to their parents before making decision to marry the person they fall in love with	Parents expect adolescent girls to talk to them before making the decision to marry		Did you talk to your parents before making the decision to marry?
Double	Agroa a lat	% (95% CI)	% (95% CI)	% (95% CI)	Vac	% (95% CI)
combination arm	Agree a little	33.99(29.78,38.48) 23.41(20.41.26.7)	12.33 (9.919,13.7)	20.07 (22.99,30.7)	No	22.02 (12.32,30.18)
	Disagrae a little	23.41(20.41,20.7)	21.04 (10.31,23.38)	18 22 (15 00 21 94)	LNU	11.70 (03.62,81.08)
	Disagree a lot	10.14 (13.43, 19.23) 25 01(21 75 20 54)	21.04 (23.34,30.83)	10.22 (13.08,21.84) 20.22(16.78.24.15)		
Triple-combination	A gree a lot	23.71(21.73,30.34)	18 55 (15 <i>AA</i> 22 12)	20.22(10.70,24.13)	Ves	23 63 (16 03 22 4)
arm	Agree a littla	(+2.30, 31.32)	22 31 (18 45 26 71)	20.1 (24.02,32.30) 34 36 (30 03 38 06)	No	76 37 (66 6 83 97)
	Disagree a little	$\frac{21.41(10,23.27)}{11.64(9.512.17.17)}$	22.31 (10.43,20.71)	17 74 (14 35 21 72)	110	10.37 (00.0,03.77)
	Disagree a lot	18.6 (14.75.22.10)	35 71 (30 55 /1 23)	17 33 (14 14 21 07)		
Delayed	A gree a lot	10.0 (14.73,23.19)	16 38 (1/ 16 19 97)	29.53(26.3.22.08)	Ves	26 18 (17 45 37 3)
intervention/control	A gros a little	$\pm 1.\pm 2(30.71,40.07)$	10.30 (14.10, 10.07)	21.22 (26.01.26.12)	No	72 92 (62 7 92 55)
arm	Disagree a little	23.24 (17.40,27.48)	23.03 (19.93, 20.27)	18 77 (16 57 21 2)	110	13.02 (02.1,02.33)
	Disagree a lot	14.32(12.3,17.00) 20.02(15.81.25.01)	22.00 (17.17,23.20)	10.77 (10.37,21.2) $18.48 (15.42.21.07)$		
	Disagree a lot	20.02(15.81,25.01)	30.72 (32.39,41.20)	10.48 (15.45,21.97)	1	

# Table 10: Attitude, empirical and normative expectation and behavior of adolescent girls on marriage (2), August 2016
## 3.3.3. Empowerment and Decision making indicators of Adolescent girls

### 3.3.3.1. Adolescent girls on empowerment and decision making

Among adolescents who were married, majority (78%, 55% and 62%) of girls in the first, triplecombination arm and delayed intervention/control arms reported that they jointly make household financial decision with their husbands. Six in ten of adolescent girls who earned an income reported sole decision making over their own income. (Table 11)

According to the study, 59.61%, 69.18% and 68.92% of adolescent girls in the double-combination arm, triple-combination arm and delayed intervention/control arms reported to having obtained financial support their hygiene needs, respectively. Parents provided almost all (89%, 82%, 85%) of the financial support for the hygiene needs of adolescent girls in the double-combination arm, triple-combination arm and delayed intervention/control arms, respectively. (Table 11)

Characteristics		Double-combination arm	Triple-combination arm	Delayed
				intervention/control
				arm
		% (95% CI)	% (95% CI)	% (95% CI)
Decision maker over	Adolescent Girl	58.81(46.06,70.48)	63.83(50.87,75.05)	59.53(49.14,69.14)
adolescent girl's	Husband	5.647(1.77,16.62)	3.189(1.20,8.18)	6.44(3.647,11.13)
income (n=347 those	Joint	20.04(9.87,36.47)	18.56(11.85,27.86)	20.52(14.58,28.08)
who had source of	Mother	13.79(4.70,34.14)	6.61(3.65,11.67)	8.87(4.59,16.44)
income)	Father	1.71 (0.39,7.14)	6.86(2.721,16.26)	4.64 (1.611,12.65)
	Father in law	0	0.94(.13,6.72)	0
Do you get financial	Yes	59.61 (54.89,64.16)	69.18 (63,74.73)	68.92 (62.61,74.59)
support for your	No	40.39 (35.84,45.11)	30.82 (25.27,37)	31.08 (25.41,37.39)
hygiene needs?				
(n=3181)				
Who mostly provides	Father	35.24 (29.75,41.15)	36.33 (30.21,42.92)	47.45 (41.65,53.32)
you with the financial	Mother	54.31 (47.9,60.59)	45.47 (39.73,51.34)	37.14 (31.46,43.19)
support for your	Husband	5.798 (4.005,8.324)	10.82 (8.712,13.36)	9.001 (6.99,11.52)
hygiene related needs?	Mother-in-law	.34 (.0828,1.385)	.8892 (.3578,2.193)	.5084 (.163,1.574)
(n=2103, among those	Other family members	1.499 (.8212,2.722)	.8477 (.385,1.856)	2.217 (1.321,3.698)
who attained	Other (Both parents, Self)	2.809 (1.636,4.784)	5.643 (3.965,7.972)	3.69 (2.024,6.634)
menarche)				
Degree of ability of	Very likely	42.23(35.75,48.98)	57.56(50.6,64.24)	50.05(41.58,58.52)
negotiating financial	Likely	48.99(43.58,54.43)	37.35(31.59,43.5)	43.72 (34.89,52.97)
support for school	Less likely	7.49 (4.57, 12.05)	3.77 (1.89, 7.39)	4.78 (2.34, 9.53)
needs (n=916 among	Unlikely	1.12 (.038, 3.29)	1.32 (0.45, 3.78)	0.72 (0.17, 2.96)
those who get school	Don't know	0.16 (0.02, 1.16)	0	0.73 (0.17, 3.05)
financial support)				
Degree of ability of	Very likely	16.03(12.94,19.69)	22.15(17.06,28.24)	23.54(19.79,27.74)
negotiating financial	Likely	41.02(36.5,45.68)	37.24(32.79,41.92)	36.77(32.93,40.8)
support for hygiene	Less likely	30.24 (25.73,35.17)	25.39 (20.59,30.88)	24.61 (20.82,28.83)
needs (n=3181)	Unlikely	10.44 (7.602,14.18)	10.54 (7.84,14.03)	9.751 (7.771,12.17)
	Don't know	2.027 (1.185,3.445)	4.438 (2.821,6.915)	4.532 (3.321,6.156)
Most people think it is	Agree a lot	5.23 (3.475,7.81)	4.96(3.77,6.512)	5.947
normal for girls to				(4.277,8.213)
move freely outside of	Agree a little	17.36(14.56,20.58)	17.3(14.8,20.13)	16.44(13.04,20.52)
home (n=3181)	Disagree a little	25.93(22.32,29.89)	23.86 (19.52,28.8)	20.38 (16.78,24.54)
	Disagree a lot	50.55 (45.99,55.11)	52.01(46.04,57.93)	55.44(49.55,61.18)
	Don't know	0.92(.4408,1.925)	1.87(1.058,3.28)	1.48 (.69,3.16)

Table 11. Employethicht and Decision making mulcators of Aubiescent girls. August 201	Table	11:	Empowerment	and <b>E</b>	Decision	making	indicators	of Adolescent	girls.	August	201
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Majority (76.48%, 75.87% and 75.82%) of girls disagree on that, other people think it is normal for girls to be able to move freely outside the home if she wants to. (Table 11)

When asked how confident they were in negotiating their needs and rights adolescents were in negotiating for their needs and rights; 28%, 35% and 32% of adolescent girls in the first, triplecombination arm and delayed intervention/control arms reported as having high confidence in their negotiation skills, while the majority (49%, 40% and 45%) reported moderate confidence in their negotiation skills. Majority (51%, 41% and 43%) of adolescent girls reported moderate confidence in their in their communication skills of their opinion/stands.

In terms of assessing Adolescents girls' perception of mutual aid, trust, connectedness and social support with people close to them, Majority of them reported moderate level connection with people close to them. (Table 12)

Table 12: Nego	tiation skill	and perceive	d connectedness	with peo	ople close	to add	olescent	girls
August 2016								

Characteristics		Double-combination arm	Triple-combination arm	Delayed
				intervention/control arm
		% (95% CI)	% (95% CI)	% (95% CI)
Confidence level of girls	Highly confident	28.28(23.86,33.16)	34.63(29.45,40.21)	32.31(28.13,36.79)
negotiating their needs and	Moderately confident	49.45(45.86,53.05)	40.1(35.18,45.24)	44.61(40.76,48.52)
rights (n=3186)	A little confident	18.84(15.38,22.86)	18.05(14.14,22.76)	17.68(14.41,21.51)
	No confident	3.302(2.251,4.82)	6.093(4.239,8.685)	4.669(3.412,6.358)
	Not sure/don't know	.1279(.018,.9035)	1.116(.3839,3.2)	.7393 (.3628,1.501)
Confidence level of girls	Highly confident	27.26(23.11,31.84)	34.96 (29.31,41.07)	32.45(28.36,36.83)
communicating their	Moderately confident	51.06(47.49,54.62)	40.66(36.36,45.11)	42.91(39.08,46.82)
opinions/stands (n=3186)	A little confident	18.99(16.19,22.15)	18.26(13.92,23.59)	19.8(16.55,23.52)
	No confident	2.562(1.739,3.759)	5.371(3.726,7.684)	4.113(2.903,5.798)
	Not sure/don't know	.1279(.018,.9035)	.743 (.2222,2.455)	.7252(.3538,1.481)
Girl's perception of Mutual	Very strong	28.39(24.69,32.4)	30.48(25.51,35.95)	34.45(30.15,39.03)
aid with people close to them	Moderately strong	51.12(45.61,56.6)	48.57(43.92,53.25)	47.39(43.61,51.2)
(n=3186)	Weak	11.51(9.362,14.07)	11.91(9.187,15.3)	9.608(7.496,12.24)
	No mutual aid	8.623(5.698,12.84)	6.962(4.895,9.812)	7.319(5.604,9.507)
	Not sure	.2525 (.0818,.7766)	1.953(.7626,4.907)	.8377(.4383,1.595)
Girl's perception of Trust	Very strong	29.64(26.22,33.3)	32.47(27.46,37.91)	36.87 (32.41,41.57)
with people close to them	Moderately strong	50.18(44.46,55.9)	50.06(45.5,54.62)	45.93(41.91,50)
(n=3186)	Weak	14.46(11.27,18.35)	12.65(9.634,16.44)	12.39(9.82,15.53)
	No trust	5.362(3.528,8.07)	2.73(1.713,4.326)	3.483(2.433,4.963)
	Not sure	.2437(.0786,.7527)	1.963(.8824,4.311)	.8484(.414,1.731)
Girl's perception of	Very strong	31.12(27.32,35.18)	34.77(29.8,40.08)	37.81(33.86,41.93)
Connectedness with people	Moderately strong	49.63(44.26,55.02)	47.78(44.04,51.54)	45.45(41.99,48.95)
close to them (n=3186)	Weak	13.63(10.93,16.86)	12.66(9.965,15.96)	12.15(9.79,14.97)
	No connectedness	5.42 (3.524,8.248)	2.852(1.783,4.533)	3.386(2.216,5.14)
	Not sure	.0913(.0126,.6606)	1.813 (.7658,4.231)	.8124(.3893,1.687)
Girl's perception of Social	Very strong	28.61(24.58,33.02)	33.01(28.03,38.4)	34.19(30.1,38.53)
support with people close to	Moderately strong	50.24(44.83,55.64)	46.7(41.95,51.52)	47.31(43.75,50.9)
them (n=3186)	Weak	13.95(11.43,16.91)	13.92(10.81,17.75)	12.33(9.689,15.57)
	No social support	6.867(4.451,10.45)	4.517(3.132,6.474)	5.129 (3.536,7.386)
	Not sure	.2237(.0554,.8982)	1.73(.8953,3.316)	.6427(.2667,1.541)

3.3.3.2. Attitude, Behavior, Empirical, and Normative Expectation of adolescent girls on empowerment and decision making

### 3.3.3.2.1. Attitude on empowerment and decision making

Majority (76%, 83% and 85%) of adolescent girls agreed that married girls in the first, triplecombination arm and delayed intervention/control arms, respectively shouldn't require permission from their husbands to go outside of home, while 84%, 88% and 90% of adolescent girls in the first, triple-combination arm and delayed intervention/control arms said girls should ask permission from their parents before they go outside home. 8 out of 10 adolescent girls in all arms agreed that girls should a say in the decision making over household income. (Table 13)

8 out of 10 adolescent girls in all arms agreed that adolescent girls should get to decide how much education they can get. (Table 14)

3.3.3.2.2. Empirical Expectation on empowerment and decision making Almost 8 out 10 girls in all arms reported that most married girls require permission from their husbands to outside, while almost 9 of 10 girls reported that most girls in the community need permission from their parents to go outside of the home. Almost 6 in 10 girls believed that most adolescent girls in the community have a say on the use of household income. (Table 13) 55%, 58% and 62% of respondents in the first, triple-combination arm and delayed intervention/control arms, respectively believed that most girls in their community have the right to express their opinion on matters. (Table 14)

#### 3.3.3.2.3. Normative Expectation on empowerment and decision making

73% and 75% in the first and triple-combination arms, respectively think most people expect married adolescent girls to require permission from their husbands to go outside, while 80% of girls in the first and triple-combination arms though that most people think it's not fine for girls to move freely outside the home without needing parents' permission. 6 in 10 adolescent girls think most people expect adolescent girls to have a say on the use of household income. (Table 13)

Majority (54%, 59% and 62%) of adolescent girls believed that most people expect adolescent girls to voice their opinion on matters to their parents. 67%, 71% and 74% of respondents in the first, triple-combination arm and delayed intervention/control arms, respectively believed that most people expect adolescent girls to do decide on how much education they can get. (Table 14)

### 3.3.3.2.4. Behavior on empowerment and decision making

More than half of married adolescent girls often needed husband's permission to go outside. It was similarly indicated that half of adolescent girls in the double-combination arm and 60% of girls in the triple-combination arm and delayed intervention/control arms often needed parent's

permission to go outside of the home. 6 out of 10 girls in all arms to some extent had decision making power over household income (Table 13)

Nearly half of adolescent girls in all arms reported that their opinions about personal and household matters are sometimes listed to. Only 4 out of 10 girls in all arms had full decision making power over their education aspiration and achievements. (Table 14)

Table	13:	Empowerment	and	Decision	making	social	norm	matrix	of	Adolescent	girls,	August	
2016													

Intervention         Marriel gins should not require permission from their bushands to go outside of the home unside of the home outside of the home should be go outside of the home and their hushands to go outside of the home and their hushands to go outside of he home         Most perplete expert gins not to require permission from their hushands to go outside of he home         How often do you need permission from their hushands to go outside of he home           Double- combination and Agree a line         28.6 (234,344.35)         6.056 (126,8127)         7.09 (15,842,15.05         None         None         None         None           Triple-combinatio and arres         Agree a line         28.36 (324,344.35)         16.06 (126,8127)         7.109 (15,842,15.05         None         S.16 (15,85,30.90)           Disagree a line         6.336 (75,16,102)         6.92 (77,62,32)         5.31 (94,82,540)         Neew         29.14 (54,01,429.41)           Disagree a line         6.336 (75,16,02,32)         6.32 (77,62,32)         5.31 (94,82,540)         Neew         29.14 (52,11,219.41)           Disagree a line         6.337 (106,70,32)         8.432 (6,319,10.39)         None         None         2.56 (16,62,542)           Disagree a line         5.92 (399,727)         17.12 (13,23,21,80)         None         None         2.56 (16,62,62,91)           Disagree a line         5.92 (399,727)         17.12 (13,23,21,80)         None         2.56 (16,62,62,9	Arm	Response	Attitude	Empirical expectation	Normative expectation	Behavior	
numerical adolescent permission from their husbands to go outside of the home         marmed adolescent permission from their husbands to go outside of home?         permission from their husbands to go outside of home?           Double- combination and combination and parsage a line         48.05 (422,153.94)         6.05 (14.458,039)         7.739 (5.999.9.93)         Difference (15.85.59.98)         No         0.959.05         No         No         15.99 (5.96.27.153.08)         No         0.959.05         No         No         15.99 (5.96.27.153.08)         No         No        <		F	Married girls should	Most married girls	Most people expect		How often do you need
Image:         remission from their bern bask to go outside of the home         get no to require permission from their busknabs to go outside of the home         mshand to go outside of home?           Image:         % (.95% CD         % (.95% CD         % (.95% CD         % (.95% CD           Combination am         Agree a lot         48.05 (42.13.23.44.3)         16.06 (12.98.19.7)         17.99 (15.04.21.36)         Sometimes         Zo.16 (15.85.29.98)           Dauble-         Obsolve         6.38 (9.75.16.04.37)         57.02 (5.77.84.54)         Solve         4.09 (12.11.24.91)           Triple-combination am         Agree a lot         6.38 (9.75.16.93.03)         57.03 (2.57.76.2.32)         Solve (13.23.13.8)         Barter a lot (4.45.01.84.51.8)           Triple-combination am         Agree a lot         6.31 (4.45.63.84.37)         17.78 (14.22.12.9)         Barter (14.45.01.84.81)           Disagree a line         6.31 (7.12.3.79)         11.11 (8.68.31.400)         13.74 (10.71.74)         Sometimes         Zo.37 (16.74.23.2.3.19)           Interventine/control         Agree a lot (6.57.3 (0.60.7.73.84.77.81)         Al.20 (15.12.1.71.73)         Sometimes         Zo.37 (16.74.23.2.3.18)           Disagree a line         2.05 (17.1.2.3.2.1.86)         14.2 (11.51.17.30)         Sometimes         Zo.37 (16.74.23.2.3.7)           Interventinu/control         Agree a lot (6.57.3 (0.60			not require	would not require	married adolescent		nermission from your
Instancts to go outside outside of the home         permission from their husbands to go outside of the home         of the home           Double- combination and parsage a litel         48.05 (42.21.53.94)         6.035 (4.456.033)         7.739 (5999.9.93)         Otte 58.05 (15.85.39.98)         50.6 (15.85.39.98)           Triple-combination arm         Jagree a little         8.38 (6.936.10.47)         19.91 (16.562.37.06)         20.83 (17.552.45.3)         Rareff         8.04 (15.85.39.98)           Jagree a little         0.31 (4.456.08.87.31)         17.28 (25.77.06.3.2)         53.10 (48.25.86.30)         77.39 (15.99.21.14.30)         Dentimes 28.04 (15.91.23.20)           Jagree a little         0.31 (4.456.08.87.31)         17.28 (23.79.06.21.30)         Sock (51.86.32.80)         Never         4.78 (25.27.12.40)           Jagree a little         0.43 (17.12.42.21.13.22.12.86)         17.31 (14.46.20.58)         Rareff (16.74.32.37)         Jagreff (16.74.32.37)           Jagree a little         5.92 (3.398,77.87)         17.12 (13.22.12.86)         17.31 (14.46.20.58)         Rareff (16.74.32.37)           Jagreff a little         0.34 (17.12.32.21.86)         17.31 (14.46.20.38)         Rareff (17.74.32.37)         Jagreff (17.43.27)         Jagreff (17.43.27)			nermission from	permission from their	girls not to require		husband to go outside
model         outside of the home         of home         husbands to outside home         f. (59% CI)         % (50% CI)			their husband to go	husbands to go outside	permission from their		of home?
Intervention         of the name         of the name         of the name           So (29% CD)         % (29% CD)         % (29% CD)         % (29% CD)         % (29% CD)           combination arm         Agree a line         286 (23,33,43)         (60,61(22,91,97)         1799 (15,921,36)         Sometimes 26 (16,158,35,998)           Disagree a line         286 (23,34,434)         (66,61(22,91,76,22)         20,83 (17,55,24,53)         Renter WP         [90,71(01,46,22,23)           Triple-combination         Agree a line         0.33 (4,455,84,22)         (24,22,17,62,22)         Signer (24,16,22,12,14)           Jargee a line         0.33 (1,455,84,21)         17,23 (12,82,41)         17,23 (14,22,21,89)         Renterines 28,84 (18,48,14,22)           Jargee a line         0.33 (1,42,12,27)         11,23 (12,82,41,16)         Signer (16,16,74,22,27)         Signer (16,16,74,22,27)           Jargee a line         5.23 (1,98,77,87)         17,12 (13,23,21,86)         17,31 (14,46,20,38)         Renely (16,44 (10,66,22,54)           Jargee a line         5.29 (1,989,77,87)         17,12 (13,23,21,86)         17,31 (14,46,20,38)         Renely (16,47,23,77)           atter strop on strop (16,16,10,20)         2.39 (27,12,43,46)         Most adolescert girls should ask therip merission from on une freely outside therip merission from on une relev (ustside therip merission from une relev (ustside therip merission fr			outside of the home	of the home	husbands to outside		or nome.
with the second secon			outside of the home	of the nome	of home		
Double- combination arm Agree a link         4805 (42.2133.94)         6.025 (4.46.8093)         77.39 (5.999.9.93)         Oftem         6.08 (30.25.40.01)           Disagree a link         28.6 (23.43.43)         16.6 (12.88.37)         17.99 (15.04.21.36)         Sametimes 26.16 (15.85.39.96)           Triple-combination arm         Agree a link         0.536 (57.06.8.45)         8.199 (5.21.14.5)         State (4.44.01.13.12.84)           Disagree a link         0.536 (57.06.8.45)         11.7 (6.22.21.85)         Karey         Advert         4.091 (1.21.12.84)           Disagree a link         0.516 (45.66.873)         11.7 (12.82.41.51)         11.7 (13.02.21.88)         Karey         Advert         4.785 (2.3.17.9.62)           Delayed         Agree a link         0.514 (17.0.7.2)         12.2 (2.51.7.69.00)         58.65 (13.66.52.8)         Karey         1.560 (45.96.63.8)           intervention/control         Agree a link         5.92 (3.79.7.77)         11.2 (3.22.18.60)         Karey         1.560 (45.96.63.8)           arm         Disagree a link         5.92 (5.70.7.7.7)         11.2 (3.22.18.60)         Kort (1.7.7.9)         Sometimes 2.67 (4.7.4.2.37)           bisagree a link         5.92 (57.07.7.7.7)         11.2 (3.22.18.60)         Kort (1.5.7.7.66.7)         Kort (1.5.7.7.66.7)         Kort (1.5.7.7.66.7)         Kort (1.5.7.7.66.7)         Kort			% (95% CD	% (95% CD	% (95% CD		% ( 95% CI)
combination arm Disagre a little         28.6 (23:43:44) (23:05)         16.0 (12:98)         77.9 (15:04:21:36)         Numetimes         65.16 (15:83:39:95)           Triple-combination         Agree a little         85.37 (6:05; 10:83:36:95)         2038 (17:52:23:45)         Karpi (12:12:24)           Triple-combination         Agree a little         80.17 (12:12:36)         65.95 (17:08:23:16)         10.91 (12:11:24)           m         Diagree a little         80.17 (12:32:11)         17.73 (12:22:18)         Nametimes         88.13 (12:74:23:11)           htere ention/control         Agree a little         20.32 (17:12:32:11)         17.73 (12:22:18)         Nametimes         88.13 (12:74:23:11)           htere ention/control         Agree a little         20.43 (17:12:22:17)         17.73 (12:22:18)         Nametimes         25.06 (45:96:64:53)           nam         Diagree a little         20.43 (17:12:22:17)         17.12 (12:32:13:46)         17.31 (14:46:20:30)         Nametimes         25.06 (45:96:65)           nam         74.44 (6:26a) (10:30)         C.29 (7:06:07:44)         59.38 (14:27:64)         Nametimes         25.06 (16:37:24)           nam         74.44 (6:26a) (10:30)         C.29 (7:06:07:14)         59.38 (16:47:74)         Never         35.07 (16:74:32:71)           nam         74.45 (0:26a) (16:39)         Nametimes	Double-	Agree a lot	48.05 (42.21.53.94)	6 025 (4 46 8 093)	7,739 (5,999,9,93)	Often	50 68 (39 25 62 03)
Disagree a little         S33 (e.95, 61, 04.7)         19.01 (16, 56, 23, 76)         20.33 (17, 55, 24, 53)         Rever         19.07 (10, 46, 32, 23)           Triple-combination arm         Agree a lot         63, 69 (57, 61, 69, 30)         11, 16 (8, 65, 14, 99)         13.74 (42, 21, 14)         Often         57, 14 (45, 01, 68, 48)           Disagree a little         6, 213 (44, 56, 87, 39)         11, 16 (8, 68, 14, 99)         13.74 (10, 71, 74, 64)         Karely	combination arm	Agree a little	28.6 (23.4.34.43)	16.06 (12.98.19.7)	17.99 (15.04.21.36)	Sometimes	26 16 (15 85 39 98)
Disagree a lot         14.46 (11.511.80.0)         57.62 (52.77,62.32)         53.19 (48.25.86.07)         Never         400 (1.21.12.94)           Triple-combination arm         Agree a linte         6.05 (57.00.84.5)         8.199 (5.82.11.1.43)         Often         57.14 (45.01.66.48)           arm         Disagree a linte         6.03 (1.45.0.873)         11.7 (8 (16.86.2.40)         11.7 (1.42.22.1.89)         Rule (2.45.27.60.00)         8.65 (1.68.65.28)         Nerely         8.04 (1.52.17.0.62.2)           Delayed         argree a linte         6.05 (3.60.67.05.2)         8.452 (6.519.10.89)         8.019 (6.18.10.34)         Often         57.66 (6.67.06.22)           arm         Disagree a linte         5.05 (2.398/7.787)         17.12 (1.23.221.186)         17.31 (1.44.62.0.58)         Rurely         16.94 (1.06.2.25.94)           Disagree a linte         5.05 (2.398/7.787)         17.12 (1.23.21.86)         17.31 (1.44.62.0.58)         Rurely         16.94 (1.06.2.25.94)           Disagree a linte         5.94 (3.598.75)         2.93 (7.56.74.44)         5.95 (2.597.60)         Never         8.30 (2.57.64.61)           Gerea linte         7.948 (6.56.10.03)         6.95 (5.100.03)         6.95 (5.100.03)         Never         8.30 (5.64.58)         Never         8.30 (5.64.58)         Never         8.30 (5.64.58)         Never         8.30 (5.64.5		Disagree a little	8 538 (6 936 10 47)	19.91 (16.56.23.76)	20.83 (17.55.24.53)	Rarely	19 07 (10 46 32 23)
Triple-combination arm         Agree a little         6 369 (57.61.09.36)         6.955 (57.08.845)         8.199 (5.821.11.43)         Other         7.14 (45.01.68.46)           Disagree a little         6.313 (47.17.12.37.9)         11.1 (8.68.45)         17.73 (12.82.41.5)         17.73 (12.82.41.5)         State         7.14 (45.01.68.46)           Disagree a little         6.313 (456.87.3)         17.73 (12.82.41.5)         17.73 (12.82.21.89)         Rarely         Novb (52.41.21.41)           Delayed         Agree a little         5.03 (45.06.73.22)         8.824 (5.51.08.65.39)         Novb (5.63.83)         State (5.73.66.63.83)           arm         Disagree a little         5.00 (45.06.70.52)         8.842 (5.61.71.10.44.20.20.58)         Rarely (16.94 (10.62.25.94)         Disagree a little         5.00 (45.06.63.83)           arm         Disagree a little         5.00 (45.06.07.03)         6.3.29 (57.06.67.44)         5.95 (5.62.25.94)         Nove find oby on need portainsion from their parents before         How often do you need portainsion from your parents before         How often do you need permission from your parents before         How often do you need permission from your parents before         Nove (55% C1)         Nove (55% C1		Disagree a lot	14 46 (11 51 18 01)	57 62 (52 77 62 32)	53 19 (48 25 58 07)	Never	4 091 (1 21 12 94)
Apres a linite         20.24         C/T (25.79)         11.1 (d 863 [4.09)         13.74 (10.17.49)         Southeres         Southe	Triple-combination	Agree a lot	63 69 (57 61 69 36)	6 955 (5 708 8 45)	8 199 (5 821 11 43)	Often	57 14 (45 01 68 48)
Bisagree a lute         6.313 (4.456, 837)         17.78 (14.22, 824)         17.73 (14.22, 824)         Rarely         8.049 (5.254, 12.14)           Delayed arm         Agree a lute         8.494 (5.942, 12)         6.242 (55.27, 69.06)         8.045 (51.68, 62.38)         Never         4.788 (2.317, 9.62)           Delayed arm         Agree a lute         20.45 (17.1, 24.27)         11.32 (6.543, 12.86)         7.31 (14.42, 02.88)         Never         4.788 (2.317, 9.62)           Agree a lute         50.463 (50.66, 70.52)         8.452 (6.571, 9.06, 11.14, 86)         142 (11.511, 7.39)         Sometimes 23.67 (16.74, 22, 37)           Disagree a lute         50.487 (6.34, 61.64, 22.37)         Norta dolescent gifs         Most adolescent gifs         Most adolescent gifs         Most adolescent gifs         Norta dolescent gifs         Norte relay outside the home without         Norte         Norta dolescent gifs         Norta dolescen	arm	Agree a little	20.24 (17.1.23.79)	11 1 (8 683 14 09)	13 74 (10 7 17 46)	Sometimes	28 83 (18 27 42 34)
Delayed         Disagree alot         8.014 (C.942.12)         62.42 (S.57.662.06)         28.65 (S.86.52.26)         No.13         Order (C.97.962.77)           Delayed         Agree a lot         65.73 (G.6.70.52.2)         8.452 (C.57.19.60.27)         8.019 (C.185.10.34)         Often         55.06 (45.96.63.8)           arm         Disagree a little         20.45 (17.12.42.7)         11.32 (K.54.14.48.6)         14.2 (11.5.17.39)         Sometimes 23.67 (10.67.42.2.37)           arm         Disagree a little         7.94 (C.96.01.03)         C.2.39 (57.06.67.44)         59.58 (S.42.7.64.67)         Never         33.07 (11.65.7)           bisagree a little         7.94 (C.96.01.03)         G.2.39 (57.06.67.44)         59.58 (S.42.7.64.67)         Never         33.07 (37.67.11.65)           bisagree a little         7.94 (S.65.18.62.86)         2.39 (57.06.7.44)         59.68 (S.17.64.67)         Never         33.07 (33.95.37)           combination arm         65.09 (S.65.18.62.86)         2.854 (19.64.41.31)         42.52 (2.907.60.01)         Often         45.93 (5.17.62.67)           combination arm         4.99 (55% CD         % (95% CD         % (95% CD)	arm	Disagree a little	6 313 (4 456 8 873)	17.78 (12.8.24.15)	17.73 (14.22.21.89)	Rarely	8 049 (5 254 12 14)
Delayed Intervention/control arm         Agree a little         0.074 (C-37.2)         0.0-42 (C-37.1)(0.08)         0.005 (C-18.5, 10.34)         Ofter S         0.06 (45.5, 6, 63.83)           mm         Disagree a little         5.20 (C-39.8), 7.87)         11.32 (C-37.1), 2.86)         17.31 (14.42, 0.25)         Nametimes 23.67 (16.74.2, 2.37)           mm         Disagree a little         5.20 (C-39.8), 7.87)         11.12 (13.21, 2.21.86)         17.31 (14.42, 0.25)         Nametimes 23.67 (16.74.2, 2.37)           Addlescent girls         Most addlescent girls         Most addlescent girls         Most addlescent girls         Most addlescent girls         How on the do you need their parents before           bome         permission from their parents before         without needing permission         needing permission         needing permission           Double-         Agree a lot         5.90 (S.51.8, 62.86)         2.854 (1.964, 41.31)         4.252 (2.97, 6.001)         Often 48.57 (43.59, 53.57)           Disagree a lot         5.90 (S.51.8, 62.86)         2.854 (1.964, 41.31)         4.252 (2.97, 6.001)         Often 48.57 (43.59, 53.57)           Combination arm         Agree a lot         7.55 (G.82, 78.21)         2.47 (62.10, 82.85)         2.50 (2.01, 2.8.39)         Rareet lot 7.85 (G.82, 78.21)         2.48 (1.543.1.44)         14.87 (12.67, 73.21)         2.64 (1.63.21, 1.64)           Tripl		Disagree a lot	8 494 (5 942 12)	62 42 (55 27 69 06)	58 65 (51 68 65 28)	Never	4 785 (2 317 9 622)
Doubly-Group         Double- listervention/control bisagree a little         20.74 (0.50.722)/(0.50.721,05.22)/(0.51.71,07.39)         Double- (0.54 (1.5.71,7.39)         Dometimes Bisagree (1.5.92) (1.5.92,7.39)         Disagree (1.5.92) (1.5.92,7.39)         Disagree (1.5.92) (1.5.92,7.39)         Dometimes (2.5.67) (1.6.74,22,37)           arm         Disagree a little         20.54 (1.5.92,7.39)         Most adolescent girls should ask permission from your need they go outside their homes with other bare without heir parents before home         Most adolescent girls without needing permission         Most adolescent girls they go outside their homes without needing permission         How often do you need permission from your need they go outside their homes without needing permission           Double-	Delayed	Agree a lot	65 73 (60 6 70 52)	8 452 (6 519 10 89)	8 010 (6 185 10 34)	Often	55 06 (45 96 63 83)
arm         Disagree a little         20:3 (2) (2) (2) (2) (2) (2) (2) (2) (2) (2)	intervention/control	Agree a little	20.45(17.1.24.27)	11 32 (8 543 14 86)	14.2(11.51.17.30)	Sometimes	03.67 (16.74.32.37)
Imm         Disagree a fine         2.52 (23.92,17.87)         17.14 (13.22,12.67.80)         15.31 (13.42,10.35)         Rever         3.307 (8797,11.65)           Disagree a fine         7.948 (62.661,00.3)         Kould ask should ask permission from they go outside therio won will without needing permission         Most people think they go outside therio won will without needing permission         How often do you mead permission from once freely outside they go outside the home           0         Agree a litte         24.95 (20.57.28.46)         18.04 (1.964,1131)         4.252 (2.997,6001)         Mer (95% C1)           0         Magree a litte         24.95 (20.57.28.46)         10.41 (81.86,13.14)         14.87 (12.26,17.93)         Sometimes 12.93 (21.55.28.65)           0         Disagree a litte         7.587 (5.701,10.03)         24.76 (21.08,28.85)         25.95 (20.01)         Never         18.67 (10.63,15.18)           17riple-combination         Agree a litte         7.587 (5.701,10.03)         24.76 (21.08,28.85)         25.95 (20.01,28.98)         Rarely         10.77 (10.63,21.18)           17riple-combination         Agree a litte         7.355 (08.29,78.21)         2.444 (1.58.13.87)         4.456 (3.22.76.57)         Never         8.761 (6.61,31.152)           17riple-combination         Agree a litte         8.181 (15.47,74.28)         9.34 (16.26,23.83)         Metso (3.22,65,75)         Never	arm	Disagraa a littla	5 502 (2 080 7 787)	17.12 (12.22.21.96)	14.2(11.31,17.39) 17.21(14.46.20.58)	Doroly	16.04(10.62.25.04)
Adolescent girls         Most adolescent girls         How often do you need           permission from         their parents before         their own will         without needing         move freely outside         parmission           Double-         Agree a lot         5900 (35.18.62.86)         2.854 (14.131)         4.252 (2.997,6001)         Often 4.857 (43.59,53.57)           Combination arm         Agree a lot         5900 (35.18.62.86)         2.854 (19.64.4.131)         4.252 (2.997,6001)         Often 4.857 (43.59,53.57)           Combination arm         Agree a little         587 (5.70,11.0.03)         2.476 (21.08.28.85)         2.359 (20.01,28.39)         Rarely 1.375 (10.86,17.26)           Disagree a little         7.857 (6.82.97.82.1)         2.448 (1.54.34.3766)         4.667 (13.12.6.853)         Often 4.857 (16.61.31.152)           Disagree a little         15.86 (12.57,19.83)         8.192 (6.36,91.048)         12.73 (9.667,16.58)         Sometimes 19.48 (16.3.22.1)           arm         Agree a little         15.86 (12.57,19.83)         8.192 (6.36,01.048)         12.73 (9.667,16.58)         Sometimes 20.5 (16.25,18.13.2)           Disagree a little         15.86 (12.57,19.83)         19.09 (14.43,24.82)         2.253 (18.21.75.3)         Sometimes 20.5 (16.61.31.15.	am	Disagree a little	7.048 (6.266.10.02)	17.12(13.23,21.60)	50.58 (54.27.64.67)	Navor	2 207 ( 8707 11 65)
Audiescent gins should ask permission from their parents befor they go outside the home         Most audiescent gins go outside their homes move freely outside the home without needing permission         First of gins to move freely outside the home without needing permission         First of gins to move freely outside the home without needing permission         First of gins to move freely outside the home without needing permission         First of gins to move freely outside the home without needing permission         First of gins to move freely outside the home without needing permission         First of gins to move freely outside the home without needing permission         First of gins to move freely outside the home without needing permission         First of gins to move freely outside the home without needing permission         First of gins to move freely outside the home without needing permission           Double- combination arm protecombination arm         Agree a lott         7.55 (68.29,78.21)         2.448 (1.584,3.766)         4.672 (3.162,8.53)         Often         60.61 (54.86,66.08)           Triple-combination arm         Agree a lott         7.35 (68.29,78.21)         2.444 (1.815,3.337)         4.666 (3.227,6.753)         Neever         8.761 (6.613,11.22)           Delayed arm         Agree a lott         7.3.16 (3.028,6.601)         17.7 (14.93,2.086)         2.2.19 (18.412,6.49,407,412)         0.1.1 (55.56,66.29)         Never         7.19 (5.162,2.7.13)           Delayed arm         Agree a little         4.5.63 (3.345.19)         14.3 (11.31,17.92)         16.2.		Disaglee a lot	7.948 (0.200,10.03)	02.39 (37.00,07.44)	39.38 (34.27,04.07) Most people think	INEVEI	5.507 (.8797,11.05)
should ask permission from their parents before they go outside the home         at their one will without needing permission         at their one freely outside the home without needing permission         permission needing permission           0         Agree a lot         59% C1)         % (95% C1)         % (95% C1)         No         Parents to go outside of home?         No         No         No         Parents to go outside of home?         No         No <td< td=""><td></td><td></td><td>should ask</td><td>wost adolescent girls</td><td>it's fine for girls to</td><td></td><td>now offen do you need</td></td<>			should ask	wost adolescent girls	it's fine for girls to		now offen do you need
International intervention         Intervention for an intervention of the production of			permission from	go outside their homes	n s mile for girls to		permission from your
Intervention/control         Agree a lot         590% (5)         % (95% CD)         % (95% CD) <t< td=""><td></td><td></td><td>their parents before</td><td>without needing</td><td>the home without</td><td></td><td>home?</td></t<>			their parents before	without needing	the home without		home?
Intervention/control         Agree a lot         590 (95% CD)         % (95% CD)         % (95% CD)         % (95% CD)           Double- combination arm         Agree a lot         59.08 (55.18,62.86)         2.854 (1.964.4.131)         14.252 (2.997,6.001)         Often 48.57 (43.59,53.57)           Disagree a little         7.357 (5.70,1,10.03)         24.76 (21.08,28.85)         2.354 (1.260,17.93)         Sometimes 24.93 (21.55.28.65)           Disagree a lot         8.945 (6.829,78.21)         2.448 (1.584,3.766)         4.677 (3.162,6.853)         Often 60.61 (54.86,66.08)           arm         Agree a little         1.586 (12.57.19.83)         8.192 (2.53,691,048)         12.73 (9.667,1.658)         Sometimes 19.48 (16.3,2.1)           Disagree a little         4.581 (1.57.47,22.62)         8.621 (2.67.9,67.33)         58.34 (1.69,64.69)         Never         8.761 (6.613,11.52)           Delayed         Agree a little         18.38 (3.08,0.606)         17.7 (14.93,20.86)         22.19 (18.41,26.675)         Often 60.12 (5.2,5.18)           arm         Disagree a little         4.356 (3.02,5.682)         70.41 (65.47,7.7.492)         61.11 (55.666,62.9)         Never         8.761 (6.613,11.52)           Delayed         Agree a little         4.156 (3.02,5.682)         70.41 (65.47,7.492)         61.11 (15.66,66.29)         Never         7.119 (5.162,9.741)			they go outside the	permission	needing permission		nome :
Instruction         Marce a lot         % (95% Cl)           Double- combination arm         Agree a little         23, 20, 27, 24, 20, 27, 24, 20, 28, 24, 24, 21, 21, 22, 23, 22, 29, 26, 01, 28, 39)         Rarely         13, 75 (10, 86, 17, 26)           Disagree a little         7, 587 (5, 701, 10, 03)         24, 76 (21, 08, 28, 85)         23, 95 (20, 01, 28, 39)         Rarely         13, 75 (10, 86, 17, 26)           Disagree a little         15, 86 (8, 29, 11, 64)         0, 17 (16, 64, 96, 66, 8)         56, 67 (31, 25, 61, 33)         Never         12, 67 (10, 53, 15, 18)           Triple-combination         Agree a little         15, 86 (12, 57, 19, 83)         8, 192 (3, 369, 10, 48)         12, 73 (9, 667, 16, 58)         Sometimes 19, 48 (16, 52, 21, 13, 9)           Disagree a little         15, 86 (12, 77, 12)         2, 444 (1, 815, 3, 337)         4, 656 (3, 227, 6, 57)         Often         60, 12 (54, 21, 65, 75)           Intervention/control         Agree a little         4, 38 (3, 089, 6, 061)         17, 7 (14, 93, 20, 86)         22, 19 (11, 84, 97, 13, 85)         Sometimes 20, 51 (15, 2, 5, 18)           arm         Disagree a little         4, 358 (3, 369, 6, 061)         17, 7 (14, 93, 20, 86)         22, 19 (18, 41, 26, 49)         Rarely         11, 19 (9, 222, 15, 25)           Disagree a little         4, 3			home	permission	needing permission		
Double- combination arm         Agree a lot         59.08 (55.18, 62.86)         2.854 (1.964, 4.131)         4.252 (2.97, 6.01)         Often         48.57 (43.39, 53.57)           Agree a little         24.3 (20.57, 28.46)         10.41 (8.186, 13.14)         14.87 (12.26, 17.93)         Sometimes 24.93 (21.55, 28.65)           Disagree a little         25.87 (5.70, 11.003)         24.76 (21.08, 28.85)         23.95 (20.01, 28.39)         Rarrely         13.75 (10.86, 17.26)           Disagree a lot         7.355 (68.29, 78.21)         2.448 (1.543, 3766)         4.677 (3.162, 6.853)         Often         60.61 (54.86, 66.08)           arm         Agree a little         15.86 (12.57, 19.38)         8.192 (5.369, 10.44)         12.73 (9.667, 11.658)         Sometimes [9.48 (16.323, 1).           Disagree a little         15.86 (12.57, 12.0)         8.6912 (6.369, 10.44)         12.73 (9.667, 16.58)         Sometimes [9.48 (16.323, 1).           Delayed         Agree a lot         7.2 (67.46, 77, 21.2)         2.644 (1.815, 3.387)         4.656 (3.27, 6.75)         Often         60.12 (54.21, 6.57)           arm         Disagree a little         18.78 (15.47, 22.62)         8.621 (6.76, 10.93)         11.18 (8.973, 13.85)         Sometimes 20.5 (16.5, 25.18)           arm         Disagree a little         13.66 (30.56, 582)         70.41 (65.47, 74.92)         61.11 (55.66, 22)         N			% (95% CD	% (95% CD	% (95% CD		% ( 95% CD
Delayer         Disagree a little         24.3 (20.57, 28.4.6)         10.41 (8.186, 13.1.4)         14.87 (12.26, 17.93)         Sometimes         24.33 (21.55, 28.6.5)           Disagree a little         7.587 (5.701, 10.03)         24.76 (21.08, 28.85)         23.95 (20.01, 28.39)         Rarely         13.75 (10.86, 17.26)           Disagree a lot         73.55 (68.29, 78.21)         2.448 (1.584, 3.766)         4.672 (3.162, 6.853)         Often         60.61 (54.86, 66.08)           arm         Disagree a little         15.86 (12.57, 19.83)         8.192 (6.369, 10.48)         12.73 (9.667, 16.58)         Sometimes         19.48 (16.3, 23.1)           Disagree a little         15.86 (12.57, 19.83)         8.192 (6.369, 10.48)         12.73 (9.667, 16.58)         Sometimes         19.48 (16.3, 23.1)           Disagree a little         4.841 (3.507, 66.49)         19.09 (14.43, 24.82)         22.53 (18.21, 27.53)         Rarely         10.77 (8.275, 13.9)           Disagree a lot         5.319 (3.784, 74.28)         69.34 (62.67, 73.3)         88.34 (51.09, 64.69)         Never         8.761 (6.613, 11.52)           arm         Disagree a little         4.338 (3.089, 60.61)         17.7 (14.93, 20.86)         22.19 (18.41, 26.49)         Rarely         11.91 (9.222, 15.55)           arm         Disagree a little         4.363 (6.324, 51.9)         70.41 (65.47, 74.72)	Double-	Agree a lot	59 08 (55 18 62 86)	2 854 (1 964 4 131)	4 252 (2 997 6 001)	Often	48 57 (43 59 53 57)
Disagree a little         7.587 (5.701,10.03         24.76 (21.06.24.85)         23.95 (20.01,28.39)         Rarely         13.75 (10.86,17.26)           Disagree a lot         8.945 (6.829,11.64)         61.71 (56.49,66.68)         56.67 (51.25,61.93)         Never         12.67 (10.53,15.18)           Triple-combination arm         Agree a little         15.86 (12.57,19.83)         8.192 (6.369,10.48)         12.73 (9.667,16.58)         Sometimes         19.48 (16.32,31)           Disagree a little         4.881 (1.547,22.62)         8.34 (6.2,75.33)         58.34 (51.69,64.69)         Never         8.761 (66.13,11.52)           Delayed         Agree a lot         72.6 (67.46,77.21)         2.644 (1.815,3837)         4.656 (3.227,6.675)         Often         60.12 (54.21,65.75)           Intervention/control         Agree a little         18.78 (15.47,22.62)         8.621 (6.76,10.93)         11.18 (8.973,13.85)         Sometimes         50.5 (16.5,25.18)           arm         Disagree a little         4.156 (3.026,5.682)         70.41 (65.47,74.92)         61.11 (55.66,66.29)         Never         7.119 (5.162,9.741)           Disagree a little         4.156 (3.026,5.682)         70.41 (65.47,74.92)         61.11 (55.66,66.29)         Never         7.19 (5.162,9.741)           Disagree a little         4.166 (3.77,245.71)         44.81 (40.85,48.85)         44.87 (39	combination arm	Agree a little	24 3 (20 57 28 46)	10.41 (8.186.13.14)	14 87 (12 26 17 93)	Sometimes	24 93 (21 55 28 65)
Jusgice a link         8.945 (6.82):11.64)         61.71 (56.49,66.68)         56.67 (51.25,61.93)         Never         12.75 (10.63,11.20)           Triple-combination arm         Agree a lot         73.55 (68.29,78.21)         2.448 (1.584,3.766)         4.672 (3.162,6.853)         Often         60.61 (54.86,66.08)           Agree a little         15.86 (12.57,19.83)         8.192 (6.369,10.48)         12.73 (9.667,16.58)         Sometimes         19.48 (16.3,23.1)           Disagree a little         4.841 (3.500,6.649)         19.09 (14.43,24.82)         22.53 (18.21,27.53)         Rarely         11.07 (8.27,13.9)           Delayed         Agree a lot         72.6 (67.46,77.21)         2.644 (1.815,3.837)         4.656 (3.227,6675)         Often         60.12 (54.21,65.75)           arm         Disagree a little         4.338 (3.089,6.061)         17.7 (14.93,20.86)         22.19 (18.41,26.49)         Rarely         11.91 (9.222,15.25)           Disagree a little         4.338 (3.089,6.061)         17.7 (14.93,20.86)         22.19 (18.41,26.49)         Rarely         11.91 (5.126,9.741)           Most adolescent girls         Nove a say on the use of         household income         household':           combination arm         Agree a little         <	comonitation ann	Disagree a little	7 587 (5 701 10 03)	24.76 (21.08.28.85)	23.95 (20.01.28.39)	Rarely	13 75 (10 86 17 26)
Triple-combination arm         Disagree a lot         73.55 (68.29,78.21)         2.448 (1.584.3.766)         4.672 (3.15,01.757)         Often         60.61 (54.86,66.08)           Disagree a little         15.86 (12.57,19.83)         8.192 (6.369,10.48)         12.73 (9.667,16.58)         Sometimes         19.48 (16.5.23,1)           Disagree a little         4.841 (3.507,6.649)         19.09 (14.43,24.82)         22.53 (18.21,27.53)         Rarely         10.77 (8.275,13.9)           Disagree a lot         5.319 (3.784,7.428)         69.34 (62.62,75.33)         58.34 (51.69,64.69)         Never         8.761 (6.613,11.52)           Delayed intervention/control arm         Agree a lot         7.2.6 (67.46,77.21)         2.644 (1.815,3.837)         4.656 (3.227,6.675)         Often         60.12 (54.21,65.75)           Disagree a little         18.78 (15.47,22.62)         8.621 (6.76,10.93)         11.18 (8.973,13.85)         Sometimes         20.5 (16.5,25.18)           arm         Disagree a little         4.156 (3.026,5.682)         70.41 (65.47,74.92)         61.11 (55.66,66.29)         Never         7.119 (5.162,9.741)           Adolescent girls         Most adolescent girls         Most adolescent girls         Most expolpe expect         adolescent girls         now a say on the use of household income         household income         now shousehold?         No stope (5.30.01)         No		Disagree a lot	8 045 (6 820 11 64)	61 71 (56 40 66 69)	23.93 (20.01,28.39) 56.67 (51.25.61.02)	Novor	13.75(10.80,17.20) 12.67(10.52,15,18)
arm       Agree a little       15.86 (12.57,19.83)       8.192 (6.369,10.48)       12.73 (9.667,16.58)       Sometimes [9.48 (16.3,2.3.1)         bisagree a little       15.86 (12.57,19.83)       8.192 (6.360,10.48)       12.73 (9.667,16.58)       Sometimes [9.48 (16.3,2.3.1)         Disagree a little       4.841 (3.507,6.649)       19.09 (14.43,24.82)       22.53 (18.21,27.53)       Rarely       10.77 (8.275,13.9)         Disagree a lot       72.6 (67.46,77.21)       2.644 (1.815,3.837)       4.656 (3.227,6.675)       Often       60.12 (54.21,65.75)         arm       Disagree a little       18.78 (15.47,22.62)       8.621 (6.76,10.93)       11.18 (8.973,13.85)       Sometimes 20.5 (16.5,25.18)         arm       Disagree a little       4.358 (3.089,6.061)       17.7 (14.93,20.86)       22.19 (18.41,26.49)       Rarely       11.91 (9.222,15.25)         Disagree a little       4.156 (3.025,682)       7.041 (55.47,74.92)       61.11 (15.56,66.62)       Never       7.119 (5.162,9.741)         Most adolescent girls       should have a say on the use of       household income       of ousehold income       adolescent girls       household income       no what extent do you adolescent girls         Not gree a little       41.66 (37.72,45.71)       44.81 (40.85,48.85)       44.87 (39.94,49.91)       To some66.81 (53.35,77.99) extent         combination arm	Triple combination	Agree a lot	73 55 (68 20 78 21)	2 1/1 (30.49,00.08)	4 672 (3 162 6 853)	Often	60.61 (54.86.66.08)
Initial         Pagree a little         4.841 (3.507, 6.649)         10.90 (14.37, 12.43)         22.53 (18.21, 27.53)         Rarely         10.77 (8.275, 13.9)           Delayed         Agree a lot         7.26 (67.46, 77.21)         2.644 (1.815, 3.837)         4.656 (3.227, 6.639)         Never         8.761 (6.613, 11.52)           Delayed         Agree a lot         7.2.6 (67.46, 77, 21)         2.644 (1.815, 3.837)         4.656 (3.227, 6.75)         Often         60.12 (54.21, 65.75)           arm         Disagree a little         18.78 (15.47, 22.62)         8.621 (6.76, (10.93)         11.18 (8.973, 13.85)         Sometimes 20.5 (16.5, 25.18)           arm         Disagree a little         4.338 (3.089, 6.061)         17.7 (14.93, 20.86)         22.19 (18.41, 26.49)         Rarely         11.91 (9.222, 15.25)           Disagree a lot         4.156 (3.026, 5.682)         70.41 (65.47, 74.22)         61.11 (55.66, 66.29)         Never         7.119 (5.162, 9.741)           Adolescent         girls         Most adolescent girls         Most adolescent girls         Most people expect         To what extent do you           should have a say on         heve as yon the use of household income         no what extent do you         household?           combination arm         Agree a lot         40.68 (36.33, 45.19)         14.3 (11.31, 17.92)         16.22 (12.53, 20.75) <td>arm</td> <td>Agree a lot</td> <td>15.96 (12.57.10.92)</td> <td>2.446 (1.364,3.700)</td> <td>4.072 (3.102,0.653)</td> <td>Somotimos</td> <td>10.48(16.2.22.1)</td>	arm	Agree a lot	15.96 (12.57.10.92)	2.446 (1.364,3.700)	4.072 (3.102,0.653)	Somotimos	10.48(16.2.22.1)
Disagree a lut         4.16 (3.07.0.047)         19.09 (14.4.3.4.4.2)         22.3.0 (18.21.21.35)         Rately         10.77 (0.27.3.157)           Delayed intervention/control arm         Agree a lot         72.6 (67.46,77.21)         2.644 (1.815,3.837)         4.656 (3.227,6.675)         Often         60.12 (54.21,65.75)           Disagree a lot         72.6 (67.46,77.21)         2.644 (1.815,3.837)         4.656 (3.227,6.675)         Often         60.12 (54.21,65.75)           arm         Disagree a little         18.78 (15.47,2.2.62)         8.621 (6.7,610.93)         11.18 (8.973,13.85)         Sometimes 20.5 (16.5,25.18)           bisagree a little         4.156 (3.026,5.682)         70.41 (65.47,74.92)         61.11 (55.66,66.29)         Never         7.119 (5.162,9.741)           bisagree a lot         4.156 (3.026,5.682)         70.41 (65.47,74.92)         61.11 (55.66,66.29)         Never         7.119 (5.162,9.741)           have a say on the use of household income         house a say on the use of household income         Most adolescent girls have a say on the use of household income         Nost adolescent girls household income         Nost people expect adolescent girls to have a say on the use of household income           Double- combination arm         Agree a little         41.66 (37.72,45.71)         44.81 (40.85,48.85)         44.87 (39.94,49.91)         To some66.81 (53.35,77.99) extent           Disagre	am	Agree a fittle	13.00 (12.37,19.03)	10.00 (14.42.24.82)	12.73 (9.007,10.38)	Doroly	19.46 (10.3,23.1)
Delayed intervention/control arm         Disagree a lot (3,19) (2,746,77,21)         2,644 (1,815,3,33)         2,84 (1,19,04,03)         Revel (4,155,22,16,75)         Offen (6,012 (5,42,16,7,5))           arm         Disagree a little         18,78 (15,47,22,62)         8,621 (6,76,10,93)         11,18 (8,973,13,85)         Sometimes         20,5 (16,5,25,18)           arm         Disagree a little         4,338 (3,089,6,061)         17,7 (14,93,20,86)         22,19 (18,41,26,49)         Rarely         11,9 (9,22,15,25)           Disagree a lot         4,156 (3,026,5,682)         70,41 (65,47,74,92)         61,11 (55,66,66,29)         Never         7,119 (5,162,9,741)           Adolescent girls should have a say on the use of household income         Most adolescent girls have a say on the use of household income         Most people expect         To what extent do you decide on the use of the income generated in the household income           Double- combination arm         Agree a lot         40.68 (36,33,45,19)         14,3 (11,31,17,92)         16,22 (12,53,20,75)         Fully         17.89 (9,965,30,01)           Disagree a little         12,01 (10,09,14,23)         27.85 (24,44,31,54)         27.06 (22,83,31,74)         Never         15,3 (8,585,25,79)           Triple-combination arm         Agree a lot         39,848 (45,16,54,6)         15.88 (13,22,18,96)         18.46 (15,64,21,65)         Fully         13,64 (6,964,24,98) <td></td> <td>Disagree a little</td> <td>4.841 (3.307,0.049) 5 210 (2 784 7 429)</td> <td>19.09 (14.43,24.62) 60.24 (62.62.75.22)</td> <td>22.33 (10.21,27.33) 58 24 (51 60 64 60)</td> <td>Navor</td> <td>10.77 (0.275,15.9) 9 761 (6 612 11 52)</td>		Disagree a little	4.841 (3.307,0.049) 5 210 (2 784 7 429)	19.09 (14.43,24.62) 60.24 (62.62.75.22)	22.33 (10.21,27.33) 58 24 (51 60 64 60)	Navor	10.77 (0.275,15.9) 9 761 (6 612 11 52)
Detaydd         Agree a lot         7.20 (07.46, 71.21)         2.044 (1.315, 35.37)         4.05 (3.27, 0.57)         Oten         00.12 (34.21, 05.73)           arm         Disagree a little         18.78 (15.47, 22.62)         8.621 (6.76, 10.93)         11.18 (8.973, 31.85)         Sometimes         20.5 (16.5, 22.51)           mm         Disagree a little         4.356 (3.026, 5.682)         70.41 (65.47, 74.92)         61.11 (55.66, 66.29)         Never         7.119 (5.162, 9.741)           Disagree a lot         4.156 (3.026, 5.682)         70.41 (65.47, 74.92)         61.11 (55.66, 66.29)         Never         7.119 (5.162, 9.741)           Most adolescent girls         should have as ay on the use of have a say on the use of household income         have a say on the use of household income         for what extent do you docide on the use of household income         have a say on the use of household?           Double-         & (95% CI)         % (95% CI)           Disagree a little         41.66 (37.72, 45.71)         44.81 (40.85, 48.85)         44.87 (39.94, 49.91)         To some 66.81 (53.35, 77.99) extent           Disagree a little         12.01 (10.09, 14.23)         27.85 (24.44, 31.54)         27.06 (22.83, 31.74)         Never         15.3 (8.585, 25.79)           Disagree a lot         49.88 (45.16, 54.6) <td>Dalarrad</td> <td>A grage a lot</td> <td>5.519 (5.764,7.426)</td> <td>09.34(02.02,73.33)</td> <td>36.34 (31.09,04.09)</td> <td>Often</td> <td>6.701(0.015,11.52)</td>	Dalarrad	A grage a lot	5.519 (5.764,7.426)	09.34(02.02,73.33)	36.34 (31.09,04.09)	Often	6.701(0.015,11.52)
Arr         Object         Alter a little         43.78 (13.47,22.02)         6.021 (0.70,1035)         11.18 (6.975,13.53)         Obientings         Dois(15,22.18)           arm         Disagree a little         4.358 (3.089,6.061)         17.77 (14.93,20.86)         22.19 (18.41,26.49)         Rarely         11.91 (0.222,15.25)           Disagree a lot         4.156 (3.026,5.682)         70.41 (65,47,74.92)         61.11 (55.66,66.29)         Never         7.119 (5.162,9.741)           Adolescent         girls         should have a say on the use of household         Most adolescent girls         have a say on the use of household income         adolescent girls to have a say on the use of household income         household income         No (95% CI)         % (95% CI)         % (95% CI)           Double- combination arm         Agree a lot         40.68 (36.33,45.19)         14.3 (11.31,17.92)         16.22 (12.53,20.75)         Fully         17.89 (9.965,30.01)           Disagree a little         12.01 (10.09,14.23)         27.85 (24.44,31.54)         27.06 (22.83,31.74)         Never         15.3 (8.585,25.79)           Triple-combination arm         Agree a little         36.79 (33.13,40.62)         41.48 (36.99,46.12)         46.34 (41.27,51.49)         To some 68.18 (47.99,67.73) extent           Disagree a little         36.79 (33.13,40.62)         41.48 (36.99,46.12)         46.34 (41.27,51.49	intervention/control	Agree a lot	12.0 (07.40,77.21)	2.044 (1.813, 5.857)	4.030 (3.227,0.073)	Comptimes	00.12(34.21,03.73)
ann         Disagree a little         4.358 (3.08,0.001)         17.7 (14.92,0.86)         22.19 (18.41,26.49)         Rately         11.91 (9.222,13.25)           Disagree a lot         4.156 (3.026,5.682)         70.41 (65.47,74.92)         61.11 (55.66,66.29)         Never         7.119 (5.162,9.741)           Adolescent         girls         should have a say on the use of household income.         Most adolescent girls have a say on the use of household income         Most people expect adolescent girls to have a say on the use of household income         To what extent do you decide on the use of the income generated in the household income           Double- combination arm         Agree a lot         40.68 (36.33,45.19)         14.3 (11.31,17.92)         16.22 (12.53,20.75)         Fully         17.89 (9.965,30.01)           Double- combination arm         Agree a little         41.66 (37.72,45.71)         44.81 (40.85,48.85)         44.87 (39.94,49.91)         To some/66.81 (53.35,77.99)           Disagree a little         12.01 (10.09,14.23)         27.85 (24.44,31.54)         27.06 (22.83,31.74)         Never         15.3 (8.585,25.79)           Triple-combination arm         Agree a little         36.79 (33.13,40.62)         41.48 (36.99,46.12)         46.34 (41.27,51.49)         Fo some/68.18 (47.99,67.73)           Disagree a little         9.448 (7.192,12.32)         26.69 (22.83,00.95)         23.08 (19.52,27.07)         Never	arm	Agree a fittle	16.76 (15.47,22.02)	8.021 (0.70,10.93)	11.10(0.975,15.05)	Dawalaa	20.3 (10.3,23.16)
Disagree a lot         4.156 (3.020,3.82)         10.41 (3.47,44,92)         61.11 (35.06,66.29)         Rever         7.119 (3.162,9.741)           Adolescent girls should have a say on the use of household income.         Adolescent girls should have a say on the use of household income         Most people expect adolescent girls to have a say on the use of household income         Most people expect adolescent girls to have a say on the use of household income         To what exitent do you decide on the use of the income generated in the household?           Double- combination arm         Agree a lot         40.68 (36.33,45.19)         14.3 (11.31,17.92)         16.22 (12.53,20.75)         Fully         17.89 (9.965,30.01)           Disagree a little         41.66 (37.72,45.71)         44.81 (40.85,48.85)         44.87 (39.94,49.91)         To some 66.81 (53.35,77.99) extent           Disagree a little         12.01 (10.09,14.23)         27.85 (24.44,31.54)         27.06 (22.83,31.74)         Never         15.3 (8.585,25.79)           Triple-combination arm         Agree a little         49.88 (45.16,54.6)         15.88 (13.22,18.96)         18.46 (15.64,21.65)         Fully         13.64 (6.964,24.98)           Triple-combination arm         Agree a little         36.79 (33.13,40.62)         14.83 (36.99,46.12)         46.34 (41.27,51.49)         Fo some 58.18 (47.99,67.73) extent           Disagree a little         9.448 (7.192,12.32)         26.69 (22.83,30.95)         <	am	Disagree a little	4.558 (5.089,0.001)	17.7 (14.95,20.80)	22.19 (18.41,20.49)	Rarely	11.91 (9.222,15.25)
Addrescent         grin         Most addrescent         grins         Most addresce		Disagree a lot	4.150 (5.020,5.082)	/0.41 (05.4/,/4.92)	01.11 (55.00,00.29)	Never	7.119 (5.162,9.741)
Induct a say on the use of household income.         Inave a say on the use of household income         Inave a say on the use of household income         Inave a say on the use house a say on the use of household income           Marke a say on the use of household income         Marke a say on the use of household income         Marke a say on the use of household income         Marke a say on the use of household income           Marke a say on the use of household income         % (95% CI)         % (95% CI)         % (95% CI)         % (95% CI)           Double- combination arm         Agree a lot         40.68 (36.33,45.19)         14.3 (11.31,17.92)         16.22 (12.53,20.75)         Fully         17.89 (9.965,30.01)           Double- combination arm         Agree a little         41.66 (37.72,45.71)         44.81 (40.85,48.85)         44.87 (39.94,49.91)         To some66.81 (53.35,77.99)           Disagree a little         12.01 (10.09,14.23)         27.85 (24.44,31.54)         27.06 (22.83,31.74)         Never         15.3 (8.585,25.79)           Disagree a lot         5.589 (3.846,8.055)         12.86 (10.32,15.9)         10.83 (8.575,13.59)         Intervention           arm         Agree a lot         49.88 (45.16,54.6)         15.88 (13.22,18.96)         18.46 (15.64,21.65)         Fully         13.64 (6.964,24.98)           Disagree a little         9.448 (7.192,12.32)         26.69 (22.83,30.95)         23.08 (19.52,27.07)<			Adolescent girls	have a say on the use of	Most people expect		to what extent do you
Index ds of notschold         Index e of notschold         Index e of sky of the use         Index e sky of the use         Index e sky of the use           income.         % (95% CI)           Double- combination arm         Agree a lot         40.68 (36.33,45.19)         14.3 (11.31,17.92)         16.22 (12.53,20.75)         Fully         17.89 (9.965,30.01)           Double- combination arm         Agree a little         41.66 (37.72,45.71)         44.81 (40.85,48.85)         44.87 (39.94,49.91)         To some 66.81 (53.35,77.99)           Disagree a little         12.01 (10.09,14.23)         27.85 (24.44,31.54)         27.06 (22.83,31.74)         Never         15.3 (8.585,25.79)           Disagree a lot         5.589 (3.846,8.055)         12.86 (10.32,15.9)         10.83 (8.575,13.59)         Income 58.18 (47.99,67.73)           Triple-combination arm         Agree a lot         49.88 (45.16,54.6)         15.88 (13.22,18.96)         18.46 (15.64,21.65)         Fully         13.64 (6.964,24.98)           arm         Disagree a lot         3.141 (2.091,4.692)         13.78 (10.93,17.22)         9.539 (7.186,12.56)         extent           Disagree a lot         3.141 (2.091,4.692)         13.78 (10.93,17.22)         9.539 (7.186,12.56)         extent           mtervention/control			the use of household	household income	have a say on the use		income generated in the
Income         Income<			income	nousenoiu meome	of household income		household?
M         (95% CI)         % (95% CI)         % (95% CI)         % (95% CI)         % (95% CI)           Double- combination arm         Agree a lot         40.68 (36.33,45.19)         14.3 (11.31,17.92)         16.22 (12.53,20.75)         Fully         17.89 (9.965,30.01)           Agree a little         41.66 (37.72,45.71)         44.81 (40.85,48.85)         44.87 (39.94,49.91)         To some 66.81 (53.35,77.99)           Disagree a little         12.01 (10.09,14.23)         27.85 (24.44,31.54)         27.06 (22.83,31.74)         Never         15.3 (8.585,25.79)           Triple-combination arm         Agree a lot         49.88 (45.16,54.6)         15.88 (13.22,18.96)         18.46 (15.64,21.65)         Fully         13.64 (6.964,24.98)           Agree a little         36.79 (33.13,40.62)         41.48 (36.99,46.12)         46.34 (41.27,51.49)         To some 88.18 (47.99,67.73)           extent         10         36.79 (33.13,40.62)         13.78 (10.93,17.22)         9.539 (7.186,12.56)         Extent           Disagree a little         9.448 (7.192,12.32)         26.69 (22.83,30.95)         23.08 (19.52,27.07)         Never         26.62 (16.51,39.95)           Disagree a lot         3.141 (2.091,4.692)         13.78 (10.93,17.22)         9.539 (7.186,12.56)         Extent           Delayed         Agree a lot         40.52 (36.58,44.58)			meome.		of nousehold meome		nousenoiu.
Double- combination arm         Agree a lot         40.68 (36.33,45.19)         14.3 (11.31,17.92)         16.22 (12.53,20.75)         Fully         17.89 (9.965,30.01)           Double- combination arm         Agree a little         41.66 (37.72,45.71)         44.81 (40.85,48.85)         44.87 (39.94,49.91)         To         some 66.81 (53.35,77.99)           Disagree a little         12.01 (10.09,14.23)         27.85 (24.44,31.54)         27.06 (22.83,31.74)         Never         15.3 (8.585,25.79)           Triple-combination arm         Agree a lot         49.88 (45.16,54.6)         15.88 (13.22,18.96)         18.46 (15.64,21.65)         Fully         13.64 (6.964,24.98)           Disagree a little         36.79 (33.13,40.62)         41.48 (36.99,46.12)         46.34 (41.27,51.49)         To         some 58.18 (47.99,67.73)           Disagree a little         9.448 (7.192,12.32)         26.69 (22.83,30.95)         23.08 (19.52,27.07)         Never         26.62 (16.51,39.95)           Disagree a lot         3.141 (2.091,4.692)         13.78 (10.93,17.22)         9.539 (7.186,12.56)         To         some 62.89 (53.66,71.26)           mervention/control         Agree a lot         40.52 (36.58,44.58)         14.16 (11.77,16.95)         17.57 (14.61,20.99)         Fully         13.87 (8.181,22.55)           mervention/control         Agree a little         43.78 (40.06,47.57			% (95% CD	% (95% CD	% (95% CD		% (95% CD
$ \begin{array}{c} \mbox{Double-} \\ \mbox{combination arm} \\ \mbox{Agree a lot} \\ \mbox{Agree a little} \\ \mbox{Agree a little} \\ \mbox{I} 1.66 (37.72,45.71) \\ \mbox{Agree a little} \\ \mbox{I} 1.66 (37.72,45.71) \\ \mbox{I} 14.3 (11.31,17.92) \\ \mbox{I} 16.22 (12.53,20.75) \\ \mbox{Agree 3 little} \\ \mbox{I} 1.66 (37.72,45.71) \\ \mbox{I} 14.81 (40.85,48.85) \\ \mbox{I} 14.87 (39.94,49.91) \\ \mbox{I} To some 66.81 (53.35,77.99) \\ \mbox{extent} \\ \mbox{I} 15.3 (8.585,25.79) \\ \mbox{I} 15.3 (8.585,25.79) \\ \mbox{I} 12.86 (10.32,15.9) \\ \mbox{I} 10.83 (8.575,13.59) \\ \mbox{I} 13.64 (6.964,24.98) \\ \mbox{Agree a lot} \\ \mbox{I} 49.88 (45.16,54.6) \\ \mbox{I} 15.88 (13.22,18.96) \\ \mbox{I} 18.46 (15.64,21.65) \\ \mbox{I} 13.64 (6.964,24.98) \\ \mbox{Agree a little} \\ \mbox{I} 36.79 (33.13,40.62) \\ \mbox{I} 14.8 (36.99,46.12) \\ \mbox{I} 18.46 (15.64,21.65) \\ \mbox{I} 13.64 (6.964,24.98) \\ \mbox{I} 13.64 (1.27,51.49) \\ \mbox{I} 13.64 (6.964,24.98) \\ \mbox{I} 13.64 (1.27,51.49) \\ \m$			/0 ( )5/0 CI)	/0 ( )5/0 Cl)	/0 ( )5/0 CI)		/0 ( )5 /0 Cl)
combination arm         Agree a little         41.66 (37.72,45.71)         44.81 (40.85,48.85)         44.87 (39.94,49.91)         To         some 66.81 (53.35,77.99)           Disagree a little         12.01 (10.09,14.23)         27.85 (24.44,31.54)         27.06 (22.83,31.74)         Never         15.3 (8.585,25.79)           Disagree a lot         5.589 (3.846,8.055)         12.86 (10.32,15.9)         10.83 (8.575,13.59)         Image: 10.000,000,000,000,000,000,000,000,000,0	Double-	Agree a lot	40.68 (36.33,45.19)	14.3 (11.31,17.92)	16.22 (12.53,20.75)	Fully	17.89 (9.965,30.01)
Disagree a little         12.01 (10.09,14.23)         27.85 (24.44,31.54)         27.06 (22.83,31.74)         Never         15.3 (8.585,25.79)           Triple-combination arm         Agree a lot         49.88 (45.16,54.6)         15.88 (13.22,18.96)         18.46 (15.64,21.65)         Fully         13.64 (6.964,24.98)           Disagree a little         36.79 (33.13,40.62)         41.48 (36.99,46.12)         46.34 (41.27,51.49)         To some 58.18 (47.99,67.73)           Disagree a little         9.448 (7.192,12.32)         26.69 (22.83,30.95)         23.08 (19.52,27.07)         Never         26.62 (16.51,39.95)           Disagree a lot         40.52 (36.58,44.58)         14.16 (11.77,16.95)         17.57 (14.61,20.99)         Fully         13.87 (8.181,22.55)           Intervention/control arm         Agree a little         10.7 (8.862,12.86)         28.1 (25.25,31.14)         26.24 (23.51,29.16)         Never         22.63 (15.98,31.03)	combination arm	Agree a little	41.66 (37.72.45.71)	44.81 (40.85.48.85)	44.87 (39.94.49.91)	To some	66.81 (53.35,77.99)
Disagree a little         12.01 (10.09,14.23)         27.85 (24.44,31.54)         27.06 (22.83,31.74)         Never         15.3 (8.585,25.79)           Disagree a lot         5.589 (3.846,8.055)         12.86 (10.32,15.9)         10.83 (8.575,13.59)             Triple-combination arm         Agree a lot         49.88 (45.16,54.6)         15.88 (13.22,18.96)         18.46 (15.64,21.65)         Fully         13.64 (6.964,24.98)           Disagree a little         36.79 (33.13,40.62)         41.48 (36.99,46.12)         46.34 (41.27,51.49)         To         some 58.18 (47.99,67.73)           Disagree a little         9.448 (7.192,12.32)         26.69 (22.83,30.95)         23.08 (19.52,27.07)         Never         26.62 (16.51,39.95)           Disagree a lot         31.41 (2.091,4.692)         13.78 (10.93,17.22)         9.539 (7.186,12.56)             Delayed         Agree a lot         40.52 (36.58,44.58)         14.16 (11.77,16.95)         17.57 (14.61,20.99)         Fully         13.87 (8.181,22.55)           arm         Disagree a little         43.78 (40.06,47.57)         46.37 (42.67,50.1)         45.07 (40.13,50.11)         To         some 62.89 (53.66,71.26)           arm         Disagree a little         10.7 (8.862,12.86)         28.1 (25.25,31.14)         26.24 (23.51,29.16)         Never         22.63 (15.98,31		0	, , , , , , , , , , , , , , , , , , , ,		,	extent	(,
Disagree a lot         5.589 (3.846,8.055)         12.86 (10.32,15.9)         10.83 (8.575,13.59)         Image: 100 (0.96,00,00,0)           Triple-combination arm         Agree a lot         49.88 (45.16,54.6)         15.88 (13.22,18.96)         18.46 (15.64,21.65)         Fully         13.64 (6.964,24.98)           Agree a little         36.79 (33.13,40.62)         41.48 (36.99,46.12)         46.34 (41.27,51.49)         To         some 58.18 (47.99,67.73)           Disagree a little         9.448 (7.192,12.32)         26.69 (22.83,30.95)         23.08 (19.52,27.07)         Never         26.62 (16.51,39.95)           Disagree a lot         3.141 (2.091,4.692)         13.78 (10.93,17.22)         9.539 (7.186,12.56)         Image: 100 (0.97,120,12.32)         10.62 (8.27,07,10,10)         Never         26.62 (16.51,39.95)           Delayed         Agree a lot         40.52 (36.58,44.58)         14.16 (11.77,16.95)         17.57 (14.61,20.99)         Fully         13.87 (8.181,22.55)           intervention/control arm         Agree a little         43.78 (40.06,47.57)         46.37 (42.67,50.1)         45.07 (40.13,50.11)         To         some 62.89 (53.66,71.26)           Disagree a little         10.7 (8.862,12.86)         28.1 (25.25,31.14)         26.24 (23.51,29.16)         Never         22.63 (15.98,31.03)           Disagree a lot         4.253 (2.927,6.143)         10.62		Disagree a little	12.01 (10.09,14.23)	27.85 (24.44,31.54)	27.06 (22.83,31.74)	Never	15.3 (8.585,25.79)
Triple-combination arm         Agree a lot         49.88 (45.16,54.6)         15.88 (13.22,18.96)         18.46 (15.64,21.65)         Fully         13.64 (6.964,24.98)           Agree a little         36.79 (33.13,40.62)         41.48 (36.99,46.12)         46.34 (41.27,51.49)         To         some 58.18 (47.99,67.73)           Disagree a little         9.448 (7.192,12.32)         26.69 (22.83,30.95)         23.08 (19.52,27.07)         Never         26.62 (16.51,39.95)           Disagree a lot         3.141 (2.091,4.692)         13.78 (10.93,17.22)         9.539 (7.186,12.56)		Disagree a lot	5.589 (3.846,8.055)	12.86 (10.32,15.9)	10.83 (8.575,13.59)		, , ,
arm         Agree a little         36.79 (33.13,40.62)         41.48 (36.99,46.12)         46.34 (41.27,51.49)         To         some 58.18 (47.99,67.73)           Disagree a little         9.448 (7.192,12.32)         26.69 (22.83,30.95)         23.08 (19.52,27.07)         Never         26.62 (16.51,39.95)           Disagree a lot         3.141 (2.091,4.692)         13.78 (10.93,17.22)         9.539 (7.186,12.56)            Delayed         Agree a lot         40.52 (36.58,44.58)         14.16 (11.77,16.95)         17.57 (14.61,20.99)         Fully         13.87 (8.181,22.55)           Agree a little         43.78 (40.06,47.57)         46.37 (42.67,50.1)         45.07 (40.13,50.11)         To         some 62.89 (53.66,71.26)           Disagree a little         10.7 (8.862,12.86)         28.1 (25.25,31.14)         26.24 (23.51,29.16)         Never         22.63 (15.98,31.03)           Disagree a lot         4.253 (2.927,6.143)         10.62 (8.216,13.63)         9.299 (6.843,12.52)         1         1	Triple-combination	Agree a lot	49.88 (45.16,54.6)	15.88 (13.22,18.96)	18.46 (15.64,21.65)	Fully	13.64 (6.964,24.98)
Disagree a little         9.448 (7.192,12.32)         26.69 (22.83,30.95)         23.08 (19.52,27.07)         Never         26.62 (16.51,39.95)           Disagree a lot         3.141 (2.091,4.692)         13.78 (10.93,17.22)         9.539 (7.186,12.56)             Delayed intervention/control arm         Agree a lot         40.52 (36.58,44.58)         14.16 (11.77,16.95)         17.57 (14.61,20.99)         Fully         13.87 (8.181,22.55)           Disagree a little         43.78 (40.06,47.57)         46.37 (42.67,50.1)         45.07 (40.13,50.11)         To         some 62.89 (53.66,71.26)           Disagree a little         10.7 (8.862,12.86)         28.1 (25.25,31.14)         26.24 (23.51,29.16)         Never         22.63 (15.98,31.03)           Disagree a lot         4.253 (2.927,6.143)         10.62 (8.216,13.63)         9.299 (6.843,12.52)	arm	Agree a little	36.79 (33.13,40.62)	41.48 (36.99,46.12)	46.34 (41.27,51.49)	To some	58.18 (47.99,67.73)
Disagree a little         9.448 (7.192,12.32)         26.69 (22.83,30.95)         23.08 (19.52,27.07)         Never         26.62 (16.51,39.95)           Disagree a lot         3.141 (2.091,4.692)         13.78 (10.93,17.22)         9.539 (7.186,12.56)             Delayed intervention/control arm         Agree a lot         40.52 (36.58,44.58)         14.16 (11.77,16.95)         17.57 (14.61,20.99)         Fully         13.87 (8.181,22.55)           Disagree a little         43.78 (40.06,47.57)         46.37 (42.67,50.1)         45.07 (40.13,50.11)         To         some 62.89 (53.66,71.26)           Disagree a little         10.7 (8.862,12.86)         28.1 (25.25,31.14)         26.24 (23.51,29.16)         Never         22.63 (15.98,31.03)           Disagree a lot         4.253 (2.927,6.143)         10.62 (8.216,13.63)         9.299 (6.843,12.52)		Ĩ				extent	
Disagree a lot         3.141 (2.091,4.692)         13.78 (10.93,17.22)         9.539 (7.186,12.56)           Delayed intervention/control arm         Agree a lot         40.52 (36.58,44.58)         14.16 (11.77,16.95)         17.57 (14.61,20.99)         Fully         13.87 (8.181,22.55)           Disagree a little         43.78 (40.06,47.57)         46.37 (42.67,50.1)         45.07 (40.13,50.11)         To         some 62.89 (53.66,71.26)           Disagree a little         10.7 (8.862,12.86)         28.1 (25.25,31.14)         26.24 (23.51,29.16)         Never         22.63 (15.98,31.03)           Disagree a lot         4.253 (2.927,6.143)         10.62 (8.216,13.63)         9.299 (6.843,12.52)         15.98,31.03)		Disagree a little	9.448 (7.192,12.32)	26.69 (22.83,30.95)	23.08 (19.52,27.07)	Never	26.62 (16.51,39.95)
Delayed intervention/control arm         Agree a lot         40.52 (36.58,44.58)         14.16 (11.77,16.95)         17.57 (14.61,20.99)         Fully         13.87 (8.181,22.55)           Disagree a little         43.78 (40.06,47.57)         46.37 (42.67,50.1)         45.07 (40.13,50.11)         To         some 62.89 (53.66,71.26)           Disagree a little         10.7 (8.862,12.86)         28.1 (25.25,31.14)         26.24 (23.51,29.16)         Never         22.63 (15.98,31.03)           Disagree a lot         4.253 (2.927,6.143)         10.62 (8.216,13.63)         9.299 (6.843,12.52)         10.59 (15.98,31.03)		Disagree a lot	3.141 (2.091,4.692)	13.78 (10.93,17.22)	9.539 (7.186,12.56)	[	
intervention/control arm Agree a little 43.78 (40.06,47.57) 46.37 (42.67,50.1) 45.07 (40.13,50.11) To some 62.89 (53.66,71.26) extent Disagree a little 10.7 (8.862,12.86) 28.1 (25.25,31.14) 26.24 (23.51,29.16) Never 22.63 (15.98,31.03) Disagree a lot 4.253 (2.927,6.143) 10.62 (8.216,13.63) 9.299 (6.843,12.52)	Delayed	Agree a lot	40.52 (36.58,44.58)	14.16 (11.77,16.95)	17.57 (14.61,20.99)	Fully	13.87 (8.181,22.55)
arm         extent           Disagree a little         10.7 (8.862,12.86)         28.1 (25.25,31.14)         26.24 (23.51,29.16)         Never         22.63 (15.98,31.03)           Disagree a lot         4.253 (2.927,6.143)         10.62 (8.216,13.63)         9.299 (6.843,12.52)         Image: Control of the state of th	intervention/control	Agree a little	43.78 (40.06,47.57)	46.37 (42.67.50.1)	45.07 (40.13,50.11)	To some	62.89 (53.66,71.26)
Disagree a little10.7 (8.862,12.86)28.1 (25.25,31.14)26.24 (23.51,29.16)Never22.63 (15.98,31.03)Disagree a lot4.253 (2.927,6.143)10.62 (8.216,13.63)9.299 (6.843,12.52)	arm	0		,		extent	
Disagree a lot 4.253 (2.927,6.143) 10.62 (8.216,13.63) 9.299 (6.843,12.52)		Disagree a little	10.7 (8.862,12.86)	28.1 (25.25,31.14)	26.24 (23.51,29.16)	Never	22.63 (15.98,31.03)
		Disagree a lot	4.253 (2.927,6.143)	10.62 (8.216,13.63)	9.299 (6.843,12.52)		

Arm	Response	Attitude	Empirical	Normative	Behavior	
		Adologoont oido should	expectation	expectation		Uow often de vour
		he listened to when they	adolescent girl has	adolescent to voice		now often do your
		share their opinion about	the right to express	their opinions to		listen when you share
		things that are important	her opinion if she	their parents if they		your opinion about
		to them or the household.	doesn't agree with	don't agree with		things that are
			parents/husband say	sav		the household?
		% (95% CI)	% (95% CI)	% (95% CI)		% (95% CI)
Double-	Agree a lot	40.01(35.41,44.79)	11.18 (8.758,14.16)	13.35 (10.06,17.51)	Often	15.24 (12.6,18.31)
combination arm	Agree a little	43.18 (38.63,47.85)	44.69 (39.74,49.75)	41.2 (36.03,46.57)	Sometimes	49.08 (44.56,53.62)
	Disagree a little	11.09 (8.922,13.7)	29.25 (24.68,34.29)	28.95 (25.27,32.92)	Rarely	30.77 (25.76,36.27)
	Disagree a lot	5.641 (4.217,7.509)	14.54 (11.3,18.51)	15.92 (12.23,20.46)	Never	4.044 (3.042,5.357)
	Don't know	.0842 (.0115,.6128)	.3427 (.1138,1.027)	.5844 (.2379,1.429)	Don't know	.7793 (.2969,2.03)
	Agree a lot	49.03 (43.89,54.19)	12.72 (10.28,15.65)	15.86 (12.27,20.25)	Often	17.75 (14.58,21.45)
Triple-combination	Agree a little	38.63 (34.63,42.79)	46.11 (42.14,50.13)	44.55 (40.04,49.15)	Sometimes	47.42 (43.1,51.79)
arm	Disagree a little	9.086 (7.032,11.66)	26.16 (22.1,30.67)	26.67 (22.41,31.41)	Rarely	27.32 (23.61,31.38)
	Disagree a lot	2.735 (1.656,4.486)	13.48 (9.579,18.64)	10.51 (7.785,14.05)	Never	5.341 (3.686,7.68)
	Don't know	.5169 (.0971,2.704)	1.531 (.7462,3.117)	2.271 (1.117,4.565)	Don't know	1.98 (.9002,4.299)
Delayed	Agree a lot	43.79 (39.81,47.84)	14.47 (11.65,17.84)	16.77 (13.85,20.15)	Often	17.48 (14.36,21.11)
intervention/control	Agree a little	43.05 (39.73,46.44)	48.08 (44.05,52.13)	46.53 (41.67,51.46)	Sometimes	47.65 (43.22,52.12)
arm	Disagree a little	9.373 (7.562,11.56)	25.44 (22.69,28.4)	22.93 (20.16,25.96)	Rarely	27.24 (24.06,30.69)
	Disagree a lot	3.332 (2.122,5.193)	10.96 (8.759,13.62)	11.32 (9.055,14.07)	Never	5.499 (4.004,7.508)
	Don't know	.458 (.1371,1.519)	.9553 (.4003,2.262)	2.452 (1.385,4.306)	Don't know	2.024 (1.221,3.34)
		Adolescent girls should	Most adolescent	Most people expect		To what extent do you
		be able to decide how	girls can decide how	adolescent girls to		think you can decide
		get.	can get	education they can		vou can get?
		6		get		,
D 11	A 1.	% (95% CI)	% (95% CI)	% (95% CI)	F 11	% (95% CI)
Double-	Agree a lot	43.85 (39.75,48.04)	27.26 (24,30.79)	28.61 (24.99,32.51)	Fully	37.87 (32.74,43.3)
combination arm	Agree a little	36.79 (33.8,39.89)	40.05 (35.96,44.29)	39.76 (34.83,44.9)	To some extent	48.8 (44.23,53.4)
	Disagree a little	12.81 (10.03,16.22)	21.3 (17.17,26.12)	17.81 (14.81,21.25)	Never	11.97 (9.922,14.37)
	Disagree a lot	6.393 (4.855,8.374)	11.38 (9.078,14.18)	12.81 (10.48,15.58)	Don't know	1.355 (.6114,2.977)
	Don't know	.1539 (.0381,.6201)	0	1.017 (.4753,2.161)		
	Agree a lot	47.79 (42.43,53.19)	28.41 (23.25,34.2)	29.33 (23.47,35.96)	Fully	34.71 (29.31,40.54)
Triple-combination	Agree a little	35.66 (30.82,40.82)	41.99 (37.42,46.69)	42.32 (37.04,47.78)	To some extent	42.3 (37.64,47.1)
arm	Disagree a little	9.569 (7.48,12.16)	18.07 (15.14,21.42)	16.7 (13.52,20.46)	Never	19.95 (16.3,24.18)
	Disagree a lot	5.515 (3.859,7.823)	9.247 (6.636,12.75)	8.356 (6.632,10.48)	Don't know	2.921 (1.783,4.753)
	Don't know	1.106 (.4679,2.591)	2.202 (1.079,4.438)	3.206 (1.662,6.095)		
Delayed	Agree a lot	49.76 (46.05,53.48)	30.16 (24.97,35.91)	32.53 (27.6,37.88)	Fully	32.73 (27.87,37.98)
intervention/control	Agree a little	36.81 (33.23,40.54)	45.29 (39.7,51)	42.59 (36.45,48.97)	To some extent	50.24 (44.29,56.18)
arm	Disagree a little	9.564 (7.718,11.8)	15.76 (13.47,18.35)	16.19 (13.63,19.13)	Never	14.53 (11.97,17.53)
	Disagree a lot	3.238 (2.213,4.714)	7.56 (5.571,10.18)	6.478 (4.717,8.836)	Don't know	2.506 (1.515,4.119)
	Don't know	.5344 (.2277,1.249)	1.141 (.5524,2.342)	2.111 .104,4)		

Table 14: Agency, Empowerment and Decision making Attitude, Behavior, Empirical, and Normative Expectation of Adolescent girls, August 2016

### 3.3.4. Sexual and Reproductive Health indicators of Adolescent girls

3.3.4.1. Sexual and Reproductive Health knowledge of Adolescent girls Adolescent girls who had contact with Health extension workers were 7.36%, 10.08% and 5.59% in the first, triple-combination arm and delayed intervention/control arm woredas, respectively. For the majority of adolescent girls, reason for contacts with health extension worker were Curative services 55.91% and 42.88% followed by Family planning 40.48% and 36.72% in the triple-combination arm and delayed intervention/control arms , while it was Curative services (59.68%) followed by ANC services (41.53%) in the double-combination arm. (Table 16)

Among the adolescent girls had contact with HEWs asked for their degree of satisfaction, respond high percentage of satisfaction in the triple-combination arm (84.26%) and (56.03%) in the doublecombination arm, (66.37%) in the delayed intervention/control arm. Differences between respondents among Arms were also apparent in this regard, fairly satisfied (37.75%) doublecombination arm, (9.69%) triple-combination arm and (23.78%) delayed intervention/control arm.



Figure 7. The content of adolescent interaction with Health extension workers, August 2016

Among adolescent girls who had sexual intercourse, average debut age was 14.56+0.156 (14.25, 14.87), 14.41+0.099 (14.22, 14.61) and 14.93+0.128 (14.67, 15.18) in the first, triple-combination arm and delayed intervention/control arms.

Among girls who are sexually active, 16.73%, 9.05% and 19.45% of adolescent girls in the double-combination arm, triple-combination arm and delayed intervention/control arms,

respectively were currently pregnant. One fourth (26.79% and 25.15%) of adolescent girls in the double-combination arm and delayed intervention/control arms, were currently using contraceptive methods, while contraceptive use was almost one tenth in the triple-combination arm. Among contraceptive used by adolescent girls ,majority of adolescents girls (76.49%, 82.37% and 83.94%) in the double-combination arm, triple-combination arm and delayed intervention/control arms, were using injectable, followed by Pills (23.51%, 7.23% and 7.19%). Primary source of contraception for the adolescent girls were Health extension workers (25.7%, 15.95% and 14.11%) in the double-combination arm, triple-combination arm and delayed intervention/control arms, respectively. (Fig. 9)

Among adolescent girls approached for non-consensual sex only one fourth of them (22.49%, 24.73% and 28.73%) in the first, triple-combination arm and delayed intervention/control arm were them ever been able to say no to non-consensual sex. (Fig.8)



Figure 8. Adolescent girls who approached for non-consensual sex and able to say no for nonconsensual, August 2016

Menstruation (71.28%, 66.79% and 67.39%), Growth in breast (86.06%, 83.67%, and 81.86%), and growth of pubic and underarm hair (66.07%, 55.33% and 60.51%) were among frequently mentioned puberty characteristics by the Adolescents' girls. In the other side, growth in hip area was the least mentioned puberty characteristics by the adolescents. Acne, behavioral change, weight gain and thinning of voices are among other listed characteristics.



Figure 9. Place where adolescents get contraceptive methods, August 2016

Adolescents' across the Arms were almost accurate on the knowledge of average menstrual cycle duration average with Standard error Adolescents  $(28.77\pm0.10, 28.53\pm0.24 \text{ and } 28.59\pm0.25)$  in the double-combination arm, triple-combination arm and delayed intervention/control arm respectively. Age at menarche also widely mentioned correctly by the adolescents; (79.79%, 68.62% and 67.51%) across the Arms. More than half of Adolescents in the double-combination arm (54.97%) shown had knowledge on duration of menstrual blood flow (3-5 days). Similarly, (42.99% and 40.26%) the other two Arms respectively.

Less than half of the adolescents respond as they heard ways or methods to avoid pregnancy (41.92%, 44.94% and 37.25%). Among those who heard about contraception method; majority of the adolescent recalled Injectable (83.52%, 83.63% and 87.62%), pills (88.13%, 82.81% and 81.66%) and male condom (36.61%, 30.48% and 26.16%) more repeatedly. Male sterilization and withdrawal methods were among the least mentioned contraceptive method. (Fig.10)



Figure 10: Contraceptive methods recalled by the respondent, August 2016

Only (38.37 %) in the double-combination arm, (36.98 %) in the triple-combination arm and (25.45 %) in the delayed intervention/control arm know as condom can be used to prevent pregnancy.

For the question asked about sexual transmitted infections adolescents could recall; HIV/AIDS (73%, 65.59% and55.8%), gonorrhea (29.97%, 23.1% and 14.48%) and syphilis (33.57%, 27.61% and 17.73%) were among vastly recalled sexual transmitted infections. Chlamydia (1%, 0% and 0.3%) and genital herpes (2%, 0.4% and 0.8%) were among the least recalled. (Fig. 11)



Figure 11. Knowledge on Sexual Transmitted Infection, August 2016

The adolescents also asked whether they know about sign and symptom of sexually transmitted infection, loss of weight (37.63%,27.59% and26.17%), burning pain during urination (17.99%,13.26% and 9.33%), genital sore/ulcer (15.11%,9.76% and 8.13%), abdominal pain (11.94%,7.53% and 7.13%) and genital discharge/drip ping (10.53%,7.63% and 5.19%) were among repeatedly pointed out by the adolescents.(Fig. 15)

Among ways of transmission for sexual transmitted disease; (70.44%, 59.92% and 53.58%) transmission through Sexual contact was well known by the adolescent. Following this, sharing of needles and other drug and need stick injuries (56.78%, 39.82% and 38.44%), Mixture of infectious body fluids (17.87%, 10.59% and 10.59%) and Skin-to-skin contact (13.4%, 9.83% and 6.93%) were among the listed means of transmissions by the adolescent girls. (Fig. 12)

Regarding the prevention method of sexual transmitted infection; abstinence (54.55%,45.12% and 39.59%), Avoid sharing razors/blades (29.79%,19.26% and 19.82%), Using condom (27.04%,23.91% and 17.99%) and limit sex to one partner (staying faithful) (27.54%,18.62% and 18.46%) were listed in high proportion by the adolescent girls. There were also wrongly perceived prevention methods like avoiding sick person and getting immunization mentioned by the respondents as other method of prevention. (Table 15)



Figure 12. Knowledge on means of transmission of sexual transmitted infection, August 2016

Among all adolescents asked for their degree of ability to negotiate for financial support they get for their hygiene need, it was less likely and unlikely for comparable number of adolescents (40.68%, 35.93% and 34.36%) to negotiate for their hygiene needs.

		Double-combination arm	Triple-combination arm l interventions)	Delayed intervention/control arm
		% (95% CI)	% (95% CI)	% (95% CI)
Symptoms of STIs on	Abdominal pain	11.94 (8.992,15.7)	7.53 (4.89,11.42)	7.13 (5.26,9.60)
women recalled	Genital discharge/dripping	10.53 (8.239,13.36)	7.633 (5.287,10.9)	5.194 (3.516,7.61)
	Foul smelling discharge	9.48 (6.725,13.2)	6.89 (4.52,10.39)	5.17 (3.51,7.53)
	Burning pain on urination	17.99 (13.85,23.03)	13.26 (9.84,17.62)	9.33 (7.05,12.27)
	Redness/Inflammation in Genital area	8.884 (6.546,11.95)	4.08 (2.62,6.30)	2.73 (1.88,3.94)
	Smell in Genital area	9.397 (6.961,12.57)	4.82 (3.453,6.68)	4.15 (2.98,5.76)
	Genital sores/Ulcers	15.11 (12.08,18.73)	9.76 (6.94,13.54)	8.13 (6.31,10.41)
	Genital warts	3.71 (2.42,5.648)	0.77 (0.35,1.69)	1.01 0.055,1.85)
	General itching	9.959 (7.477,13.15)	7.36 (5.79,9.29)	6.29 (4.76,8.29)
	Blood in urine	8.57 (6.368,11.44)	5.47 (3.92,7.59)	4.17 (2.77,6.24)
	Loss of weight	37.63 (31.95,43.67)	27.59 (22.82,32.93)	26.17 (21.71,31.18)
	Hard to get pregnant/have a child	5.19 (3.81,7.02)	2.30 (1.39,3.77)	2.83 (1.58,5.02)
	Others(Anemia, becoming pale, coughing, fatigue, feeling unhealthy, loss of appetite, loss of hair, loss of immunity	1.17 (0.00,2.71)	0 .40 (0.12,1.36)	.18 (0.04,0.75)
	No symptoms	0.39 (0.14,1.09)	1.23 (0.56,2.68)	0.796 (0.37,1.71)
	Don't know	47.64 (41.62,53.73)	56.08 (49.09,62.83)	63.63 (58.07,68.84)
Prevention methods of STIs	Abstain from sex	54.55 (49.74,59.27)	45.12 (37.56,52.92)	39.59 (34.97,44.4)
recalled	Use condom	27.04 (21.85,32.93)	23.91 (19.66,28.76)	17.99 (13.92,22.93)
	Limit sex to one partner/staying faithful	27.54 (22.94,32.67)	18.62 (13.95,24.4)	18.46 (14.28,23.53)
	Limit number of sex	16.39 (12.75,20.82)	8.691 (6.66,11.26)	10.18 (6.111,16.47)
	Avoid sex with prostitutes	11.48 (8.64.15.09)	5.537 (4.13.7.38)	5.875 (3.74.9.111)
	Avoid sex with persons who have many partner	7.10 (5.04,9.92)	4.968 (3.22,7.59)	4.767 (2.887,7.772)
	Avoid sex with drug users	4.07 (2.52,6.502)	2.11 (1.09,4.05)	2.169 (.9922,4.674)
	Avoid blood transfusions	10.21 (7.771,13.29)	9.652 (7.357,12.57)	7.361 (5.141,10.43)
	Avoid injections	6.13 (3.99,9.30)	4.58 (2.52,8.185)	4.52 (3.11,6.54)
	Avoid sharing razors/blades	29.79 (25.79,34.13)	19.26 (14.84,24.61)	19.82 (15.18,25.45)
	Avoid kissing	2.01 (1.11,3.60)	1.37 (0.71,2.64)	1.56 (1.04,2.32)
	Avoid mosquito bites	1.38 (0.75,2.55)	0.07 0(0.01,0.50)	0.41 (0.13,1.3)
	Seek protection from traditional healer	1.65 (0.91,2.94)	1.63 (0.89,2.94)	1.31 (0.62,2.77)
	Others (avoid sick person, avoid people, eating balanced diet, get immunized, Keeping personal hygiene)	0.19 (0.05,0.75)	0.6 (0.23,1.89)	0.71 (0.33,1.50)
	Don't know	31.25 (26.02,37)	41.1 (33.47,49.18)	45.89 (40.59,51.28)
Heard about HIV or AIDS	Yes	77.68 (72.26,82.3)	72.93 (66.4,78.59)	67.14 (61.96,71.94)
HIV/AIDS can be cured	Yes	9.27 (6.80,12.52)	6.358 (4.42,9.06)	6.44 (4.19,9.78)
	No	85.67 (82.37,88.43)	86.87 (82.44,90.31)	86.04 (83.33,88.38)
	Don't know	5.06 (3.41,7.45)	6.77 (4.629,9.812)	7.514 (5.34,10.48)
A person with HIV always	Yes	70.72 (66.23,74.85)	75.86 (71.08,80.07)	77.8 (71.77,82.84)
looks emaciated or	No	23.21 (19.23,27.74)	17.46 (13.66,22.05)	13.53 (10.11,17.88)
unhealthy	Don't know	6.06 (4.19,8.68)	6.68 (4.77,9.26)	8.67 (6.08,12.23)
People can take a simple	Yes	58.9 (51.54,65.89)	67.16 (61.2,72.62)	58.54 (51.7,65.06)
test to find their HIV status	No	26.85 (21.64,32.79)	17.45 (12.96,23.1)	18.35 (14.52,22.92)
	Don't know	14.24 (10.89,18.42)	15.38 (11.46,20.34)	23.11 (17.98,29.18)

## Table 15: Sexual Transmitted Infection, symptom and prevention adolescent girls recalled, August 2016

Characteristics	1	Double-combination arm	Triple-combination arm	Delayed intervention/control arm
		% (95% CI)	% ( 95% CI)	% (95% CI)
Have you ever had contact with	Yes	7.36 (4.927,10.86)	10.08 (7.932,12.73)	5.59 (4.133,7.508)
(n=3181)	No	92.64 (89.14,95.07)	89.92 (87.27,92.07)	94.41 (92.49,95.87)
How old were you when your first had sexual intercourse? (n=427)	Mean <u>+</u> SE	14.56 <u>+</u> 0.156 (14.25, 14.87)	14.41 <u>+</u> 0.099 (14.22, 14.61)	14.93 <u>+</u> 0.128 (14.67, 15.18)
Have you ever been pregnant (n=430)	Yes	47.93(39.07,56.94)	49.39(40.22,58.6)	59.15 (49.67,68)
	No	52.07(43.06,60.93)	50.61 (41.4,59.78)	40.85(32,50.33)
Have you ever gotten pregnant before getting married? (n=430)	Yes	1.883 (.4827,7.056)	4.006 (1.676,9.27)	1.653 (.2379,10.59)
······ 8····· 8 ····· (·· ··· · )	No	88.91 (78.02,94.77)	90.38 (83.45,94.59)	92.02 (81.94,96.7)
	Don't know	9.208 (3.738,20.94)	5.615 (2.698,11.32)	6.328 (3.066,12.61)
Are you pregnant now?	Yes	16.73 (8.919,29.18)	9.049 (6.162,13.1)	19.45 (14.04,26.31)
(n=430)	No	78.58 (66.85,86.97)	89.11 (84.12,92.67)	78.62 (71.7,84.22)
	Don't know	4.692 (1.758,11.93)	1.838 (.5506,5.955)	1.926 (.488,7.288)
Are you currently doing something or using any method to	Yes	26.79 (16.68,40.08)	9.076 (5.752,14.03)	25.15 (18,33.97)
delay or avoid getting pregnant? (n=1050)	No	73.21 (59.92,83.32)	90.92 (85.97,94.25)	74.85 (66.03,82)
Which method are you using? $(n-118)$	Female sterilization	0	6.616 (1.743,22.05)	2.425 2.425
(1-110)	Injectable	76.49 (41.99,93.6)	82.37 (68.5,90.94)	83.94 (62.6,94.23)
	Implants/Implanon	0	3.783 (1.269,10.73)	7.194 (1.559,27.51)
	Pill	23.51 (6.4,58.01)	7.234 (3.046,16.21)	6.437 (1.394,25.08)
	Male condom	11.56 (3.068,35.06)	1.969 (.2776,12.66)	0
	LAM	0	0	4.088 (.4977,26.64)
	Withdrawal	0	1.876 4285,7.831)	0

#### Table 16: Sexual and Reproductive Health of Adolescent girls, August 2016

# 3.3.4.2. Attitude, Behavior, Empirical, and Normative Expectation of adolescent girls on Sexual and Reproductive Health

3.3.4.2.1. Attitude of adolescent girls on sexual and reproductive health Majority (82.89%%, 83.47% and 82.77%) of adolescent girls through the arms thought that it was not ok for girls to engage in premarital sex even if they could avoid getting pregnant. Uniformly across the Arms, considerable amount (84.2%, 87.31%, and 86.98%) of adolescent themselves

thought that adolescents who got pregnant out of wedlock should sanctioned. Adolescent girls thought, ideal age for at which adolescent girls had their sexual intercourse were  $(16.65 \pm 0.15)$ ,  $(16.14 \pm 0.14)$  and  $(16.11 \pm 0.09)$  for each Arms respectively. While ideal age to start having children was  $(18.62\pm 0.15)$ ,  $(18.15\pm 0.13)$ , &  $(18.03 \pm 0.10)$  respectively according to the adolescent.

6 out of 10 girls in the first and delayed intervention/control arm argued that unmarried adolescent girls shouldn't use contraceptives. Likewise, more than half of adolescents in each Arms (65.47%, 53.94% and 57.72%) disagree on the idea of married adolescent girls should talk to their husbands about contraceptives.

### 3.3.4.2.2. Empirical expectation of adolescent girls on sexual and reproductive

Considerable amount of Adolescent girls believe that most girls thought its ok if they had sex before marriage as long as they avoid getting pregnant (78.43%, 75.1%, 77.64%). Most adolescent girls (86%, 85% and 87%) in the first, triple-combination arm and delayed intervention/control arms said that most girls in the community who got pregnant out of wedlock got sanctioned. Most of adolescent girls in the community started having sexual intercourse at the age of (16.18+0.14, 15.51+0.95 and 15.77+0.84) in the first, triple-combination arm and delayed intervention/control arm respectively. Whereas, most of adolescent girls in the study community started having children (18.19+0.14, 17.48+0.12 and 17.81+0.09) according to the respondent.

72.4%, 61.37% and 65.02% amount of adolescent girls from each Arm disagree on the idea of most unmarried adolescent girls use modern contraceptive methods if they need to.

Four out of ten adolescent girls thought that, most married adolescent girls talk to their husbands about using contraceptives.

3.3.4.2.3. Normative expectation of Adolescent girls on sexual & reproductive Almost universally across the Arms, adolescent girls believe that Parents would look down upon adolescent girls if they got pregnant before they got married (93.24%, 95.69% and 96.22%) respectively. Nine out of ten Adolescent girls believe that as Parents expected them to had sexual intercourse only after getting married.

Adolescent girls' parent's perceived expectation of debut age for sexual intercourse 16.81+0.17 (95% CI. 16.48, 17.14), 16.28+0.13 (95% CI. 16.02, 16.54) and 16.38+0.09 (95% CI. 16.19,

16.56), respectively. Although, parents expect their adolescent girls to start having children at 18.67+0.16(18.35, 18.99), 18.05+0.14(17.76, 18.34) and 18.22+0.08(18.05, 18.39) age along the three Arms. (Table 18)

More than half adolescent girls agreed that Parents did not expect unmarried adolescent girls to use modern contraceptive methods if were engaged in premarital sex (71.72%, 63.25% and 55.06%).Near to half adolescent girls agreed that other People didn't expect married adolescent girls to talk to their husbands about using contraceptives (49.12%, 36.04% and 35.93%) for each Arm.

6 out of 10 girls in the first and delayed intervention/control arm argued that unmarried adolescent girls shouldn't use contraceptives, while the same majority reported that parents also expect unmarried adolescent girls to no use modern contraception if they are sexually active.

3 of 10 girls in triple-combination arm and 4 out of 10 girls in the first and delayed intervention/control arms, respectively reported that other adolescent girls in the community talk to their partners about contraceptives, but, 4 out of 10 adolescent girls in all arms have never talked to their parents about contraceptives. (Table 20)

3.3.4.2.4. Behavior of Adolescent girls on sexual and reproductive Among adolescent girls who currently married few of them were got pregnant before they got married (2%, 4% and 2%). Average age of sexual intercourse debut was 14.55+0.16 (95% CI. 14.25, 14.87), 14.41+0.09 (95% CI. 14.22, 14.61) and 14.93+0.13 (95% CI. 14.67, 15.18) in the first, triple-combination arm and delayed intervention/control arms. Similarly average age for giving birth to their child was 15.46+0.17 (15.12, 15.80), 15.57+0.14 (15.29, 15.84) and 16.05+0.10 (15.85, 16.25) for each Arm.

Significant amount of married adolescent girls not use methods to delay or avoid getting pregnant currently (73.21%, 90.92%, and 74.85%) in the first, triple-combination arm and delayed intervention/control arm respectively. 3 out of 10 married adolescent girls along the arms had never talked to their partner about contraceptives.

Arm	Response	Attitude	Empirical expectation	Normative expectation	Behavior	
	-	It is ok for a girl to have	Most girls think it's ok to	Parents would look	Response	Have you ever gotten
		sex before marriage as	have sex before marriage	down upon adolescent	1	pregnant before getting
		long as she avoids	as long as they avoid	girls if they get pregnant		married?
		getting pregnant	getting pregnant	before they get married		
		% (95% CI)	% (95% CI)	% (95% CI)		% (95% CI)
Double-combination	Agree a lot	4.535 (3.212,6.368)	6.106 (4.531,8.183)	81.32 (77.61,84.54)	Yes	1.883 (.4827,7.056)
arm	Agree a little	5.841 (3.909,8.642)	10.36 (7.963,13.37)	11.92 (9.973,14.18)	No	88.91 (78.02,94.77)
	Disagree a little	7.235 (5.692,9.156)	13.62 (10.62,17.31)	3.793 (2.482,5.756)	Don't know	9.208 (3.738,20.94)
	Disagree a lot	75.66 (71.8,79.15)	64.81 (60.04,69.3)	2.185 (1.402,3.388)		
Triple-combination	Agree a lot	4.626 (3.045,6.97)	7.092 (5.194,9.613)	86.87 (81.93,90.61)	Yes	4.006 (1.676,9.27)
arm	Agree a little	4.743 (3.331,6.714)	12.05 (8.981,15.99)	8.816 (6.479,11.89)	No	90.38 (83.45,94.59)
	Disagree a little	6.769 (4.144,10.87)	13.29 (10.12,17.27)	2.577 (1.191,5.487)	Don't know	5.615 (2.698,11.32)
	Disagree a lot	76.71 (70.76,81.77)	61.81 (55.01,68.17)	1.041 (.5345,2.016)		
Delayed	Agree a lot	5.358 (4.182,6.841)	7.211 (5.677,9.12)	88.57 (84.83,91.49)	Yes	1.653 (.2379,10.59)
intervention/control	Agree a little	3.219 (2.112,4.878)	8.734 (6.548,11.56)	7.645 (5.397,10.72)	No	92.02 (81.94,96.7)
arm	Disagree a little	5.982 (4.257,8.346)	11.01 (9.001,13.41)	1.555 (.9232,2.608)	Don't know	6.328 (3.066,12.61)
	Disagree a lot	76.79 (73.46,79.82)	66.63 (61.68,71.24)	1.166 (.6086,2.224)		
	•	Adolescent girls who get	Most girls who get	Parents expect me to		Have you ever gotten
		pregnant out of wedlock	pregnant out of wedlock	have sexual intercourse		pregnant before getting
		should be sanctioned.	get sanctioned	only after getting		married?
				married		
		% (95% CI)	% (95% CI)	% (95% CI)		% (95% CI)
Double-combination	Agree a lot	73.19 (69.19,76.85)	68.32 (64.33,72.05)	76.91 (73.58,79.93)	Yes	1.883 (.4827,7.056)
arm	Agree a little	11.01 (8.796,13.7)	18.11 (14.74,22.07)	13.96 (12.02,16.15)	No	88.91 (78.02,94.77)
	Disagree a little	4.962 (3.53,6.932)	4.486 (2.95,6.766)	3.14 (2.01,4.872)	Don't know	9.208 (3.738,20.94)
	Disagree a lot	7.514 (5.573,10.06)	6.756 (4.849,9.338)	4.6 (3.537,5.964)		
Triple-combination	Agree a lot	77.78 (71.57,82.96)	75.86 (69.08,81.55)	81.09 (74.92,86.02)	Yes	4.006 (1.676,9.27)
arm	Agree a little	9.533 (6.606,13.57)	10.7 (7.545,14.97)	11.83 (8.325,16.55)	No	90.38 (83.45,94.59)
	Disagree a little	5.51 (3.145,9.48)	6.848 (4.14,11.12)	2.461 (1.386,4.334)	Don't know	5.615 (2.698,11.32)
	Disagree a lot	5.543 (3.801,8.016)	4.594 (3.36,6.252)	3.558 (2.378,5.294)		
Delayed	Agree a lot	80.74 (75.12,85.33)	77.46 (71.17,82.72)	85.1 (81.26,88.26)	Yes	1.653 (.2379,10.59)
intervention/control	Agree a little	6.242 (4.247,9.086)	10 (7.487,13.24)	6.771 (4.878,9.325)	No	92.02 (81.94,96.7)
arm	Disagree a little	4.184 (2.372,7.278)	5.006 (3.407,7.299)	2.956 (2.002,4.343)	Don't know	6.328 (3.066,12.61)
	Disagree a lot	5.616 (4.084,7.676)	5.326 (3.459,8.115)	2.897 (1.906,4.379)		
		What should be the ideal	How old are most girls in	At what age do parents		How old when you first had
		age at which adolescent	this community when they	expect adolescent girls to		sexual intercourse?
		girls to have their sexual	start having sexual	start having sexual		
		intercourse?	intercourse?	intercourse?		
Double-combination arm	Mean+SE	16.65 <u>+</u> 0.15 (16.35, 16.96)	16.18 <u>+</u> 0.14 (15.90, 16.45)	$16.81 \pm 0.17  (16.48, 17.14)$	Mean+SE	14.55 <u>+</u> 0.16 (14.25, 14.87)
Triple-combination	Mean+SE	16.14 <u>+</u> 0.14 (15.88,	15.51 <u>+</u> 0.95 (15.33, 15.70)	16.28 <u>+</u> 0.13 (16.02,	Mean+SE	14.41 <u>+</u> 0.09 (14.22, 14.61)
arm		16.41)		16.54)		
Delayed	Mean+SE	$16.11 \pm 0.09$ (15.92,	15.77 <u>+</u> 0.84 (15.61, 15.94)	$16.38 \pm 0.09$ (16.19,	Mean+SE	14.93 <u>+</u> 0.13 (14.67, 15.18)
intervention/control		16.29)		16.56)		
arm						
		What should be the ideal	How old are most girls in	At what age do parents		How old were you when
		age at which adolescent	this community when	expect adolescent girls		you gave birth to your
		girls to start having children?	they start having children?	to start having children?		child?
Double-combination	Mean+SE	18.62 <u>+</u> 0.15 (18.31,	18.19 <u>+</u> 0.14 (17.91, 18.46)	18.67 <u>+</u> 0.16 (18.35,	Mean+SE	15.46 <u>+</u> 0.17 (15.12, 15.80)
arm		18.92)	, , , , , , , , , , , , , , , , , , ,	18.99)		
Triple-combination	Mean+SE	18.15 <u>+</u> 0.13 (17.89,	17.48 <u>+</u> 0.12 (17.24, 17.72)	18.05 <u>+</u> 0.14 (17.76,	Mean+SE	15.57+ <u>+</u> 0.14 (15.29, 15.84)
arm		18.40)		18.34)		
Delayed	Mean+SE	18.23+0.10(18.03,18.43)	17.81+0.09 (17.64, 17.99)	18.22+0.08(18.05,18.39)	Mean+SE	16.05+0.10 (15.85, 16.25)
intervention/control						
arm						

### Table 17: Sexual and Reproductive Health social norm matrix of Adolescent girls, August 2016

Arm	Response	Attitude	Empirical expectation	Normative expectation	Behavior	
		Unmarried adolescent girls may use contraceptive methods if they need to do so	Most unmarried adolescent girls use modern contraceptive methods if they need to.	Parents expect unmarried adolescent girls to use modern contraceptive methods if are engaged in premarital sex		Are you currently doing something or using any method to delay or avoid getting pregnant?
		% (95% CI)	% (95% CI)	% (95% CI)		% (95% CI)
Double-	Agree a lot	6.568 (4.217,10.09)	3.479 (2.254,5.333)	1.012 (.4371,2.327)	Yes	26.79 (16.68,40.08)
combination arm	Agree a little	8.293 (6.341,10.78)	7.782 (5.245,11.4)	1.854 (1.171,2.925)	No	73.21 (59.92,83.32)
	Disagree a little	10.91 (8.615,13.73)	11.39 (8.731,14.74)	9.115 (6.848,12.03)		
	Disagree a lot	53.64 (48.64,58.57)	61.01 (57.6,64.31)	62.61 (57.45,67.51)		
Triple-combination	Agree a lot	10.21 (7.472,13.79)	6.02 (4.058,8.841)	1.842 (1.031,3.271)	Yes	9.076 (5.752,14.03)
arm	Agree a little	11.93 (9.008,15.64)	10.96 (8.252,14.42)	4.024 (2.39,6.7)	No	90.92 (85.97,94.25)
	Disagree a little	8.916 (6.586,11.96)	10.13 (7.697,13.21)	8.813 (6.321,12.16)		
	Disagree a lot	46.71 (40.82,52.7)	51.24 (45.37,57.07)	54.44 (47.99,60.74)		
Delayed	Agree a lot	8.204 (6.088,10.97)	5.395 (3.822,7.564)	1.905 (1.143,3.158)	Yes	25.15 (18,33.97)
intervention/control	Agree a little	7.399 (5.741,9.487)	5.866 (4.041,8.442)	3.135 (1.937,5.036)	No	74.85 (66.03,82)
arm	Disagree a little	7.786 (5.869,10.26)	9.049 (6.716,12.09)	6.079 (4.249,8.625)		
	Disagree a lot	54.2 (49.89,58.45)	55.97 (51.37,60.47)	48.99 (45.65,52.33)		
		Married adolescent girls talk to their husbands about contraceptives	Most married adolescent girls talk to their husbands about using contraceptives	People expect married adolescent girls to talk to their husbands about using contraceptives		How often do you talk to you partner about using contraceptives?
		% (95% CI)	% (95% CI)	% (95% CI)		% (95% CI)
Double-	Agree a lot	4.203 (2.821,6.22)	17.07(12.72,22.53)	19.15 (14.43,24.97)	Often	15.71 (8.711,26.7)
combination arm	Agree a little	8.273 (6.326,10.75)	18.91 (16.22,21.93)	18.37 (16.05,20.95)	Sometimes	24.4 (15.07,37)
	Disagree a little	10.33 (8.698,12.23)	11.99 (9.424,15.14)	14.11 (11.36,17.39)	Rarely	19.81 (12.05,30.82)
	Disagree a lot	55.14 (49.93,60.23)	34.08 (28.46,40.18)	35.02 (30.38,39.95)	Never	37.25 (24.89,51.54)
Triple-combination	Agree a lot	6.302 (4.116,9.534)	25.95 (20.18,32.7)	26.88 (21.27,33.34)	Often	20.42 (13.1,30.41)
arm	Agree a little	12.36 (9.585,15.81)	20.96 (17.62,24.74)	20.19 (16.93,23.89)	Sometimes	25.52 (17.9,35)
	Disagree a little	11.46 (8.522,15.24)	9.467 (6.084,14.44)	9.988 (6.968,14.12)	Rarely	15.86 (10.86,22.58)
	Disagree a lot	42.48 (36.57,48.61)	19.89 (16,24.44)	26.06 (21.53,31.16)	Never	33.04 (23.15,44.7)
Delayed	Agree a lot	6.134 (4.174,8.929)	25.75 (21.37,30.67)	25.05 (20.79,29.86)	Often	14.06 (9.335,20.64)
intervention/control	Agree a little	8.335 (6.539,10.57)	19.39 (16.79,22.28)	19.98 (16.88,23.49)	Sometimes	28.16 (20.84,36.85)
arm	Disagree a little	9.428 (7.184,12.28)	8.55 (6.181,11.71)	10.1 (7.471,13.53)	Rarely	14.39 (8.972,22.27)
	Disagree a lot	48.3 (44.48,52.15)	22.24 (19.07,25.76)	25.83 (22.62,29.32)	Never	38.38 (30.33,47.12)

## Table 18: Family planning social norm matrix description of Adolescent girls, August 2016

## 3.3.5. Household Food Allocation of Adolescent girls

Six adolescent girls out of ten in the first and triple-combination arm and nine out of ten adolescent girls in the delayed intervention/control arm were stunted. While one out of ten adolescent girls severely stunted in the delayed intervention/control arm.

Adolescent girls (89.29%, 87.28% and 87.1%) in the first, combine and delayed intervention/control arm respectively have normal body mass index for age (BAZ) score. However, six out of ten in the double-combination arm and nine out of ten adolescents in the triple-combination arm and delayed intervention/control arm were thin for their age. Likewise, in all Arms one in ten adolescent was severely thin for their age.

Characteristics		Double-combination arm	Triple-combination arm	Delayed
				intervention/control arm
		% (95% CI)	% (95% CI)	% (95% CI)
Height for age (HAZ) score	Normal	92.85 (90.81,94.46)	91.77 (88.74,94.04)	89.43 (86.92,91.5)
(1 <sup>st</sup> measurement) (n=3149)	Stunted	6.419 (4.856,8.441)	6.546 (4.873,8.739)	9.404 (7.275,12.08)
	Severely stunted	.7333 (.357,1.5)	1.682 (.6977,3.997)	1.169 (.6738,2.02)
Body mass index for age	Sever thinness	1.27 (.722,2.226)	1.468 (.8731,2.459)	1.337 (.7571,2.35)
(BAZ) score	Thinness	6.273 (4.87,8.047)	9.963 (8.22,12.03)	8.828 (7.304,10.63)
(1 <sup>st</sup> measurement) (n=3149)	Normal	89.37 (86.8,91.49)	86.77 (84.31,88.89)	87.42 (85.15,89.38)
	Obesity	3.087 (2.093,4.529)	1.802 (.8948,3.597)	2.262 (1.414,3.601)
	Sever Obesity	0	0	.1565 (.0215,1.126)

Table 19: HAZ score and BAZ score of adolescent girls aged 13 – 17 years, August 2016

# 3.3.5.1. Attitude, Behavior, Empirical, and Normative Expectation of adolescent girl Nutrition and food allocation indicators of Adolescent girls

# 3.3.5.1.1. Attitude of adolescent girl on Nutrition and food allocation indicators

According to the study, 6 out of 10 adolescent girls in the first, triple-combination arm and delayed intervention/control arms believe that adolescent girls and boys should had the same amount of food. Seven out of ten girls in the first, triple-combination arm and delayed intervention/control arm thought that adolescent girls and boys of the same age living with their parents should ate the same time. Also, 9 out of 10 girls in all arms agreed that adolescent girls and boys should have the same type of food.

Regarding eating order in the family, adolescent girls 76.81% in the double-combination arm, 81.63% in the triple-combination arm and 80.71% in delayed intervention/control arm disagree on the idea of adolescent girls should eat first before everybody in the family eats. Likewise, 7 out of 10 adolescent girls agree on the idea of adolescent girls should eat after everybody in the family eats.

# 3.3.5.1.2. Empirical Expectation of adolescent girl on Nutrition and food allocation indicators

Five out of ten adolescent girls through the Arms believe that most adolescent girls in the community have the same amount of food as their male siblings or husbands in the household.

Most adolescent girls (77%, 78% and 79%) in the first, triple-combination arm and delayed intervention/control arms, respectively agreed that most other adolescent girls ate after adolescent boys have eaten. Similarly, plenty of most other adolescent girls in the community have the same quality of food as their male siblings or husbands (87.56%, 85.45% and 89.6%) in the first, triple-combination arm and delayed intervention/control arm respectively.

Considerable, amount of adolescent girls disagree on the idea of most adolescent girls usually eta before their male siblings or husbands (78.47%, 84.01% and 85.23%) in the first, triple-combination arm and delayed intervention/control arm respectively.

Near to eight out of ten adolescent girls in the study area agreed on that most adolescent girls in the community eat after everybody in the family eats.

# 3.3.5.1.3. Normative Expectation of adolescent girl on Nutrition and food allocation indicators

Six out of ten adolescent girls in the first, triple-combination arm and delayed intervention/control arms, believe that Community members expect adolescent girls to eat the same amount of food as their male siblings or husbands. Similarly, 67.82%, 69.41% and 65.73% of adolescent girls in the first, triple-combination arm and delayed intervention/control arms, respectively believe Community members expect adolescent girls to eat at the same time as their brothers.

Likewise, 87.58%, 87.14% and 87.59% of adolescent girls in the first, triple-combination arm and delayed intervention/control arms, respectively believe that Community members expect adolescent girls to have the same quality of food as everybody in the family.

Most adolescents, (74.34%, 73.92% and 72.18%) disagree on that Community members expect adolescent girls to eat before everybody in the family eats. Conversely, 76.17%, 75.78% and 75.41% Community members expect adolescent girls to eat after everybody in the family eats.

With regard to food allocation preference, three forth of adolescent girls in the first, triplecombination arm and delayed intervention/control arms reported that Adult men were served food first. Surprisingly, 7 out of 10 girls in all arms believed that adolescent girls should eat after everybody in the family has eaten, while only 1 out of 10 in the double-combination arm and 2 out of 10 girls in the triple-combination arm and delayed intervention/control arms reported to eating after everybody in the family. But still a majority of adult women and girls were eating after everybody in the family. (Table 21)

# 3.3.5.1.4. Behavior of adolescent girl on Nutrition and food allocation indicators

More than half of adolescent in the first, triple-combination arm and delayed intervention/control arm respectively (67.82%, 65.57% and 61.98%) ate the same amount of food as their brothers/others adolescent boys of the same age/Husband in the household often or sometimes.

70.57%, 67.29% and 64.07% of adolescent girls in the first, triple-combination arm and delayed intervention/control arm often or sometimes had their meals at the same time as their brothers/others adolescent boys of the same age living in the household.

64.22%, 60.8% and 53.52% of adolescent girls in the first, triple-combination arm and delayed intervention/control arm witnessed that they ate the same type of food as their brothers/others adolescent boys in the household often or sometimes.

More than half the adolescent girls 65.76%, 65.95% and 62.72% in the first, triple-combination arm and delayed intervention/control arm respectively did as adult men were served first in the household.



Fig 13a. Shows norm of adolescent girls and boys of the same age living with their parents should eat at the same time Fig 13b. Shows Behavior of adolescent girls on how often do they have meals at the same time as their brothers/others adolescent boys of the same age

Arm	Desponse	Attitudo	Empirical expectation	Normative expectation	Dehavior	0
AIIII	Response	Additioned and	Mast a dalage and sink in the	Normative expectation	Demavior	
		Adolescent girls and	Most adolescent girls in the	Community members	Response	How often do you eat the
		boys of the same age	community have the same	expect adolescent girls to		same amount of food as your
		should have the same	amount of food as their male	eat the same amount of		brothers/others adolescent
		amount of food.	siblings or husbands	food as their male siblings		boys/Husband?
		AL ( 0.50) ( 0.5		or husbands.		
		% ( 95% CI)	% (95% CI)	% (95% CI)		% (95% CI)
Double-	Agree a lot	40.98 (37.06, 45.01)	25.82 (21.97, 30.09)	27.63 (23.85,31.76)	Often	28.26 (24.77,32.03)
combinati	Agree a little	25.08 (21.83, 28.64)	33.51 (29.33, 37.98)	36.86 (32.8,41.12)	Sometimes	39.56 (35.23,44.07)
on arm	Disagree a little	13.74 (11, 17.03)	20.1 (16.19, 24.67)	16.97 (13.65,20.89)	Rarely	16.44 (13.78,19.5)
	Disagree a lot	19.45 (14.7, 25.28)	20.56 (15.99, 26.05)	18.46 (14.08,23.84)	Never	15.73 (12.32,19.87)
Triple-	Agree a lot	40.63 (34.98,46)	21.67 (17.66, 26.3)	24.31 (20.24,28.89)	Often	24.78 (20.47,29.66)
combinati	Agree a little	24.91 (20.72, 29.63)	31.27 (25.78, 37.34)	37.46 (32.54,42.66)	Sometimes	40.79 (35.84,45.93)
on arm	Disagree a little	13.96 (11.03, 17.51)	24.23 (19.15, 30.14)	20.05 (15.69,25.27)	Rarely	20.12 (16,24.99)
	Disagree a lot	19.13 (14.52, 24.79)	21.2 (16.26, 27.16)	15.85 (11.32,21.75)	Never	13.71 (10.18,18.21)
Delayed	Agree a lot	41.23 (36.62, 46.01)	25.89 (21.87, 30.35)	25.35 (21.49,29.64)	Often	27.33 (24.01,30.92)
interventi	Agree a little	18.52 (15.22, 22.36)	27.03 (23.18, 31.26)	35.2 (31.32,39.29)	Sometimes	34.65 (31.27,38.2)
on/control	Disagree a little	18.91 (15.17, 23.33)	24.07 (21, 27.44)	20.4 (16.83,24.51)	Rarely	18.4 (15.11,22.21)
arm	Disagree a lot	19.13 (15.16, 23.85)	22.31 (18.028, 26.92)	17.14 (13.02,22.22)	Never	18.66 (14.56,23.58)
		Adolescent girls and	Most adolescent girls eat after	Community members		How often do have your
		boys of the same age	adolescent boys eat.	expect adolescent girls to		meals at the same time as
		living with their parents	-	eat at the same time as		your brothers/others
		should eat at the same		their brothers		adolescent boys of the same
		time				age living with their parents?
		% (95% CI)	% (95% CI)	% (95% CI)		% ( 95% CI)
Double-	Agree a lot	45.75 (40.8, 50.79)	44.42 (38.94.50.04)	26.71 (23.61.30.07)	Often	28.83 (25.94.31.92)
combinati	Agree a little	31,18 (26,14, 36,7)	33.95 (29.35.38.87)	41.11 (37.53.44.78)	Sometimes	41.74 (39.06.44.47)
on arm	Disagree a little	10.58 (8.155, 13.61)	13 2 (10 51 16 44)	18 99 (15 52 23 03)	Rarely	19.26 (16.62.22.21)
	Disagree a lot	12.09 (9.317, 15.55)	8 356 (6 23 11 12)	13.1 (10.09.16.85)	Never	10 17 (7 604 13 47)
Triple-	Agree a lot	45 75 (40 72 50 87)	45 81 (39 46 52 31)	27 55 (23 23 32 34)	Often	25 39 (21 4 29 84)
combinati	Agree a little	29 41 (25 05 34 19)	33 26 (29 22 37 56)	A1 86 (36 63 47 28)	Sometimes	43 91 (40 55 47 32)
on arm	Agree a little	12.08(10.10, 16.20)	10.01 (7.081.14.74)	16 12 012 41 10 27)	Doroly	(40.33, 47.32)
on ann	Disagree a little	12.96(10.19, 10.39) 10.02(7.822, 15.02)	2 072 (6 542 12 10)	10.12915.41,19.27	Navor	23.36 (19.94,27.2)
Delayed	A grae a lot	10.92 (7.855, 15.02)	47 44 (42 57 52 25)	12.4 (9.013, 10.02)	Often	7.014(4.000,10.57)
Delayed	Agree a lot	40.37 (30.0, 44.07)	47.44 (42.57,52.35)	20.85 (22.3,51.94)	Conten	24.52 (21.57,27.98)
	Agree a little	29.20 (20.13,32.0)	32.18 (28.9,35.04)	38.88 (34.32,43.05)	Sometimes	59.55 (35.25,44.04)
on/control	Disagree a little	15.6/ (13.31,18.3/)	12.53 (9.8/9,15.76)	19.38 (15.71,23.66)	Rarely	23.69 (20.83,26.8)
am	Disagree a lot	12.85 (9.662,16.89)	7.514 (5.783,9.709)	12.85 (9.554,17.060	Never	11.6 (8.338,15.91)
		Adolescent girls and	Most adolescent girls in the	Community members		How often do you eat the
		boys in the same	quality of food as their male	have the same quality of		brothers/others adolescent
		same type of food	siblings or husbands	food as everybody in the		bovs?
		51	6	family		5
		% (95% CI)	% (95% CI)	% (95% CI)		% (95% CI)
Double-	Agree a lot	68 (63.78,71.93)	48.75 (43.58,53.96)	46.71 (41.87,51.62)	Often	28.15 (24.61,31.98)
combinati	Agree a little	27.2 (23.51,31.23)	38.81 (34.81,42.96)	40.87 (36.59,45.28)	Sometimes	36.07 (33.14,39.12)
on arm	Disagree a little	2.83 (1.882,4.235)	8.397 (6.039,11.56)	8.697 (6.811,11.04)	Rarely	23.07 (20.3,26.09)
	Disagree a lot	1.565 (0.877,2.776)	3.977 (2.555,6.142)	3.648 (2.453,5.393)	Never	12.63 (9.702,16.29)
Triple-	Agree a lot	71.18 (65.5,76.26)	47.89 (41.23,54.62)	50.99 (45.13,56.82)	Often	24.58 (20.95,28.61)
combinati	Agree a little	21.52 (17.3,26.44)	37.56 (32.38,43.04)	36.15 (32.13,40.39)	Sometimes	36.22 (32.31,40.32)
on arm	Disagree a little	3.616 (2.101,6.155)	9.493 (6.547,13.57)	7.78 (5.65,10.62)	Rarely	25.15 (20.78,30.09)
	Disagree a lot	2.809 (1.501,5.198)	3.516 (2.02,6.05)	2.987 (1.543,5.702)	Never	13.59 (10.04,18.15)
Delaved	Agree a lot	71.69 (67,75.95)	53.85 (49,58.63)	54.34 (49.34.59.25)	Often	25.87 (23.04,28.91)
interventi	Agree a little	21.08 (17.55.25.12)	35.75 (31.68.40.03)	33.25 (28.78.38.04)	Sometimes	31.63 (28.55.34 87)
on/control	Disagree a little	4 452 (2.87.6.845)	7 226 (5 291 9 796)	8.18 (5.985.11.09)	Rarely	27 65 (23 55 32 16)
arm	Disagree a lot	1 311 (0 7569 2 263)	2 762 (1 757 4 318)	3 116 (2 033 4 747)	Never	14 51 (11 59 18 02)
	Disagice a lot	1.311 (0.7307,2.203)	2.102 (1.131,7.310)	5.110 (2.055,4.747)	110 101	17.51 (11.57,10.02)

### Table 20: Nutrition and food allocation social norm description of Adolescent girls, August 2016

## Table 21: Food allocation preference social norm characteristics description of Adolescent girls, August 2016

Arm	Response	Attitude	Empirical	Normative	Behavior	
7 1111	Response	7 ittitude	expectation	expectation	Denavior	
		Adolescent girls	Most adolescent	Community		When meals are
		should eat first	oirls usually eat	members expect		served in your
		before everybody	before their male	adolescent girls to		household, who
		in the family eats.	siblings or	eat before		usually eats first?
			husbands	everybody in the		
				family eats.		
		% (95% CI)	% (95% CI)	% (95% CI)		% ( 95% CI)
Double-	Agree a lot	8.45 (6.236.11.36)	4.496 (3.199.6.285)	6.163 (4.362.8.64)	Adult men	65.76 (60.64.70.54)
combination arm	Agree a little	14.5 (11.05.18.79)	16.92 (13.49.21.01)	19.06 (15.42.23.33)	Adult women	0.7316 (0.27.1.99)
	Disagree a little	24.27 (18.97.30.48)	25.73 (21.64.30.3)	28.72 (24.7.33.1)	Female adolescents	0.20 (0.05.0.83)
	Disagree a lot	52.54 (46.39.58.62)	52.74 (46.99.58.41)	45.62 (40.98.50.33)	Adult men & boys	6,578 (4,302,9,932)
	Bibugiee u lot	02101 (1010) (0102)		(101)0,00100)	Adult men & women	4 714 (3 348 6 6)
					Everyone eats together	21.01 (16.55.26.3)
Triple-combination	Agree a lot	5 973 (4 419 8 027)	4 063 (2 783 5 89)	5 166 (3 875 6 857)	Adult men	65 95 (61 /1 70 22)
arm	Agree a little	11 68 (9 369 14 48)	11 21 (8 416 14 77)	18 86 (14 54 24 12)	Adult women	0.47 (0.1884 1.159)
um	Disagraa a little	24 22 (10 30 20 8)	23 46 (10 74 27 64)	10.00(14.34,24.12) 23.63(20.38.27.22)	Female adolescents	0.47(0.1004,1.157)
	Disagree a little	24.22 (19.39,29.0)	25.40 (19.74,27.04)	23.03 (20.36,27.22)	remate autorescents	0.15 (0.04,0.05)
	Disagree a lot	57.41(50.93,63.65)	60.55 (54.61,66.18)	50.29 (43.86,56.71)	Adult men & boys	10.02 (6.664,14.8)
		, , , , , , , , , , , , , , , , , , ,			Adult men & women	4.357 (2.63.7.13)
					Evervone eats together	15.54 (12.5.19.16)
Delaved	Agree a lot	7.491 (5.151.10.77)	4.749 (3.136.7.13)	7.18 (5.108.10.01)	Adult men	62.78 (59.08.66.34)
intervention/contro	Agree a little	11.28 (8.623,14.63)	9.492 (7.146.12.51)	19.86 (16.37.23.89)	Adult women	1.324 (0.512.3.38)
1 arm	Disagree a little	20.59 (17.91.23.56)	25.45 (22.45.28.69)	21.71 (18.22.25.65)	Female adolescents	.1191 (0.0167.0.85)
	Disagree a lot	60.12 (54.46.65.52)	59.78	50.47 (44.05.56.88)	Adult men & boys	8.875 (6.921.11.31)
	8		(54.74,64.63)			
					Adult men & women	4.281 92.874,6.33)
					Everyone eats together	19.93 (17.02,23.21)
		Adolescent girls	Most adolescent	Community		When meals are
		should eat after	girls eat after	members expect		served in your
		everybody in the	everybody in the	adolescent girls to		household, who
		family eats.	family eats	eat after everybody		usually eats last
				in the family eats.		
		% (95% CI)	% (95% CI)	% (95% CI)		% (95% CI)
Double-	Agree a lot	43.83 (38,49.83)	47 (41.51,52.56)	43.04 (37.69,48.55)	Adult women	26 (21.71,30.81)
combination arm	Agree a little	27.53 (23.58,31.86)	31.71 (27.74,35.97)	33.13 (29.2,37.3)	Female adolescents	11.54 (8.567,15.36)
	Disagree a little	15.84 (13.19,18.91)	14.27 (11.36,17.78)	13.62 (10.9,16.88)	Adult women & girls	29.07 (23.28,35.63)
	Disagree a lot	12.71 (10.27,15.62)	6.886 (5.16,9.134)	10.03 (8.067,12.39)	Male children	2.41 (1.13,5.069)
					Female children	4.452 (2.932,6.706)
					Everyone eats together	22.42 917.77,27.87)
Triple-combination	Agree a lot	44.41 (38.31,50.68)	48.09 (42.38,53.85(	45.67 (39.49,51.97)	Adult women	20.53 (16.16,25.72)
arm	Agree a little	25.87 (22.28,29.83)	32.19 (27.88,36.82)	30.11 (25.12,35.62)	Female adolescents	22 (17.2,27.69)
	Disagree a little	14.55 (11.06,18.9)	10.64 (8.009,14.01)	13.15 (9.813,17.4)	Adult women & girls	22.56 (18.11,27.74)
	Disagree a lot	14.91(10.99,19.92)	8.298 (5.597,12.13)	9.527 (6.774,13.24)	Male children	4.782 (2.467,9.066)
	Don't know	0.2576	0.7812	1.546 (0.747,3.172)	Female children	5.696 (3.825,8.402)
		(0.0648,1.019)	(0.2658,2.273)			
					Everyone eats together	15.64 (12.68,19.13)
Delayed	Agree a lot	46.7 (41.75,51.71)	49.72 (44.87,54.59)	48.04 (43.45,52.66)	Adult women	22.66 (18.07,28.03)
intervention/contro	Agree a little	25.18 (21.93,28.73)	29.86 (26.71,33.21)	27.37 (24.74,30.17)	Female adolescents	21.8 (17.14,27.31)
l arm	Disagree a little	14.54 (11.8,17.79)	12.63 (9.883,15.99)	13.8 (11.59,16.36)	Adult women & girls	22.5 (18.75,26.74)
	Disagree a lot	12.9 (10.36,15.96)	7.452 (5.879,9.403)	10.4 (8.276,13)	Female children	3.956 (2.86,5.448)
	Don't know	0.586	0.2443	0.2024	Everyone eats together	21.01 (17.77,24.
		(0.251,1.362)	(0.077,0.772)	(0.0497, 0.8214)		67)

### 3.3.6. Female Reference groups

# 3.3.6.1. Socio-demographic characteristics of female reference groups

A total of 3243 female references (mothers, sisters, mother-in-law and sister-in-law) participated in the study with 99.4%, 94.4% and 90.7% response rate in the Double-combination arm, triplecombination arm and delayed intervention/control arms, respectively. The average age of the female references was mean age ( $\pm$ SD) of 40.33+8.52, 9.91+8.84 and 38.38+8.48in the Doublecombination arm, triple-combination arm and delayed intervention/control arms, respectively.

Nine in ten of female references across all arms were either married or living together with a partner. Recalled mean( $\pm$ SD) age at first marriage was 16.61+3.14, 16.04+2.65 and 18.33+4.95 in the first, triple-combination arm and delayed intervention/control arms, respectively. The majority of female references (86.26%, 74.67% and 76.31%) in the Double-combination arm, triple-combination arm and delayed intervention/control arms, respectively were doing household work/were housewives.

Sex in ten female references in the double-combination arm reported having joint decision making with their husbands on income generated in the household, 5 in 10 and 4 in 10 female references in the triple-combination arm and delayed intervention/control arms, respectively had decision making over household incomes. Farming was the universal (98.32%, 95.86% and 97.04%) source of income for households in the Double-combination arm, triple-combination arm and delayed intervention/control arms, respectively.

Majority of the respondents were Muslim (86.26%, 81.07% and 94.57%) and Oromo (95.83%, 95.01% and 97.22%) in the Double-combination arm, triple-combination arm and delayed intervention/control arms, respectively. (Table 22)

Characteristics		Double-combination arm	Triple-combination arm	Delayed intervention/control arm
		n (%)	n (%)	n (%)
No of female references visited		1140	1140	1140
No of female references responded	1	1128 (99.4)	1062 (94.4)	1013 (90.7)
		n=1128	n=1062	n=1013
Age of HH members Mean (±SD)		40.33+8.52	39.91+8.84	38.38+8.48
Marital Status	Married/Living together	1,033(91.58)	977(92.00)	924(91.23)
	Never married	4(0.35)	8(0.75)	6(0.59)
	Widowed	76(6.74)	55(5.18)	58(5.73)
	Divorced	7(0.62)	5(0.47)	6(0.59)
	Separated	8(0.71)	17(1.60)	14(1.38)
Age at first marriage (Average me	an + SD)	16.61+3.14	16.04+2.65	18.33+4.95
	Farmer	70(6.21)	154(14.50)	114(11.25)
Occupation	Daily laborer	36(3.19)	13(1.22)	51(5.03)
	Household work	973(86.26)	793(74.67)	773(76.31)
Source of income	Yes	441(39.0)	554(52.17)	468(46.20)
	No	687(60.90)	508(47.83)	545(53.80)
Main decision maker over	Myself	73(16.55)	122(22.02)	99(21.15)
respondent's income	Husband	129(29.25)	175(31.59)	155(33.12)
	Jointly	238(53.97)	257(46.39)	211(45.09)
Who mainly makes decision	Myself	98(8.69)	136(12.81)	108(10.66)
over household finances?	Husband	366(32.45)	395(37.190	432(42.65)
	Jointly	657(58.24)	522(49.15)	463(45.71)
Religion	Muslims	973(86.26)	861(81.07)	958(94.57)
	Orthodox Christians	145(12.85)	133(12.52)	54(5.33)
	Catholic	1(0.09)	67(6.31)	1(0.10)
Ethnicity	Oromo	1081(95.83)	1009(95.01)	992(97.22)
	Amhara	46(4.08)	53(4.99)	20(1.97)
What is the main source of	Farming	1,109(98.32)	1,018(95.86)	983(97.04)
income for the household?	Trade	6(0.53)	34(3.20)	16(1.58)
	Remittance from relatives	10(0.89)	69(0.56)	7(0.69)

#### Table 22: Background information of female references, August 2016

### 3.3.6.2. Education and school attendance

According to the female references who responded to the survey, 12.34%, 12.94% and 5.6% in the Double-combination arm, triple-combination arm and delayed intervention/control arms reported that they could read and write, respectively. When tested with a reading card, only 38.75%, 48.72% and 37.09% in the Double-combination arm, triple-combination arm and delayed intervention/control arms could read a whole sentence, respectively. About 14.12% of female references in the Double-combination arm reported to having ever attended formal education. (Table 23)

		Double-combination arm	Triple-combination arm	Delayed intervention/control arm
Characteristics		% (95%CI)	% (95%CI)	% (95%CI)
Can you read & write?	yes	12.34 (10.25,14.78)	12.94 (9.921,16.71)	5.601 (4.279,7.301)
	No	87.66 (85.22,89.75)	87.06 (83.29,90.08)	94.4 (92.7,95.72)
Read the sentence	Cannot read at all	12.51 (7.357,20.49)	8.583 (3.523,19.44)	7.919 (3.307,17.78)
shown in the card	Able to read only parts of sentence	48.74 (40.36,57.18)	42.7 (33.09,52.89)	55 (38.89,70.12)
	Able to read whole sentence	38.75 (31.58,46.44)	48.72 (36.75,60.84)	37.09 (24.21,52.1)
Have you ever attended	yes	14.12 (12.31,16.14)	17.84 (13.87,22.64)	7.907 (6.37,9.775)
school?	Never	85.88 (83.86,87.69)	82.16 (77.36,86.13)	92.09 (90.22,93.63)

Table 23: Background information on education of female references, August 2016

# 3.3.6.3. Attitude, empirical expectation, normative expectation and behavior of female reference groups on education and school attendance

## 3.3.6.3.1. Attitude on education and school attendance

Ninety one percent, 85% and 84% of female references in the first, triple-combination arm and delayed intervention/control arms agreed that female references should give adolescent girls the same opportunity in education as boys. The mean level of school grade girls should be allowed to achieve was reported as  $11.27\pm0.15$  (95% CI. 10.99, 11.56) and  $10.83\pm0.22$  (95& CI. 10.39, 11.26) in the first and triple-combination arms, respectively. (Table 25) 7 out of 10 female references in the double-combination arm disagreed the notion that adolescent girls are more helpful in the household instead of going to work while 6 out of 10 female references girls in the triple-combination arm and delayed intervention/control arms said the same thing. (Table 25)

### 3.3.6.3.2. Empirical expectation on education and school attendance

Seven in ten female references in the first, triple-combination arm and delayed intervention/control arms said that most female references in the community give adolescent girls the same opportunity in education as boys, while respondents reported that most other female references would let their adolescent girls to attend school up to Mean ( $\pm$  SE) 10.47 $\pm$ 0.17 (95% CI. 10.12, 10.82), 9.75 $\pm$ 0.33 (95% CI. 9.09, 10.42) and 9.77 $\pm$ 0.15 (95% CI. 9.47, 10.06) in the first, triple-combination arm and delayed intervention/control arms, respectively. (Table 24)

Fifty seven percent of female references in the first woreda and 51% and 47% of female references out of 10 girls in the triple-combination arm and delayed intervention/control arms have recalled that most female references in the community often make adolescent girls get absent from school to do make them do household chores. (Table 25)

## 3.3.6.3.3. Normative expectation on education and school attendance

Concerning education opportunity, almost 8 out of 10 female references in the double-combination arm and 7 out of 10 female references in triple-combination arm and delayed intervention/control arms reported that most people expect female references to give adolescent girls the same opportunity in education as boys.

Female references reported that the mean school grade level people in the community expect them to send adolescent girls to was  $10.44\pm0.18$  (95% CI. 10.09, 10.80),  $9.77\pm0.34$  (95% CI. 9.09, 10.44) and  $9.82\pm0.14$  (95% CI. 9.55, 10.09) in the first, triple-combination arm and delayed intervention/control arms, respectively. (Table 24)

Almost 6 in 10 female references in the first and 5 in 10 female references in the triple-combination arm and delayed intervention/control arms, respectively disagreed that most people expect them to take out their adolescent girls out of school to do household chores. (Table 25)

### 3.3.6.3.4. Behavior on education and school attendance

Approximately 9 out of 10 girls in the double-combination arm and triple-combination arm and 8 out of 10 girls in the delayed intervention/control arm reported to having the same opportunity in education as boys in their household.

Majority of female references in the first, triple-combination arm and delayed intervention/control arms reported a mean grade level of  $11.96\pm0.10$  (95% CI. 11.75, 12.18),  $11.66\pm0.18$  (95% CI. 11.28, 12.03) and  $11.15\pm0.16$  (95% CI. 10.83, 11.48), respectively to achieved by their adolescent girls. (Table 24)

Sixty four percent, 58% and 56% of female references in the double-combination arm, triplecombination arm and delayed intervention/control arm, respectively reported to getting making their adolescent girls to get absent from school to do household chores. (Table 25)

## Table 24: Education and school attendance social norm matrix description of Female references, August 2016

	Education norms					
Arm	Response	Attitude	Empirical expectation	Normative expectation	Behavior	
		f250 Mothers should give adolescent girls the same opportunities in education as boys	f271 Most mothers give adolescent girls the same opportunity in education as adolescent boys	f279 Community members expect mothers to give adolescent girls the same opportunity as adolescent boys in education	Response	213. Do you have the same opportunity in education as boys in your household?
		% (95% CI)	% (95% CI)	% (95% CI)		% (95% CI)
Double-	Agree a lot	67.82 (62.14,73.01)	36.42(35.82,46.25)	43.86(39.56,48.25)	No, never	10.15(8.06-12.7)
combination arm	Agree a little	23.31 (19.42,27.7)	37.07(33.04,41.28)	36(31.92,40.3)	Yes, always	52.99 (48.12-57.8)
	Disagree a little	5.973 (4.449,7.975)	14.33(11.63,17.52)	12.39(9.768,15.6)	Yes, sometimes	36.87(31.51-42.57)
	Disagree a lot	2.899 (1.683,4.951)	7.409(5.19,10.47)	7.37(5.239,10.27)		
	Don't know	0	.2646(.0806,.8646)	.3159(.1148,.8665)		
Triple-combination	Agree a lot	60.82 (54.48,66.81)	35.99(30.39,42.92)	42.91(36.85,49.19)	No, never	112.47 (9.782,15.77)
arm	Agree a little	25.09 (21.43,29.14)	35.28(31.54,39.22)	32.69(29.27,36.29)	Yes, always	52.86 (47.44,58.21)
	Disagree a little	7.22 (4.965,10.39)	14.91(11.41,19.26)	12.54(8.456,18.2)	Yes, sometimes	34.67 (30.16,39.47)
	Disagree a lot	6.56 (4.554,9.364)	12.36(9.078,16.61)	11.15(8.086,15.17)		
	Don't know	0 .3126 (.1223,.7971)	.9495(.5065,1.773)	.7231(.2305,2.245)		
Delayed	Agree a lot	61.34 (58.31,64.28)	37.73(32.07,40.1)	42.71(38.61,46.91)	No, never	16.16 (13.58,19.13)
intervention/control	Agree a little	23.02 (20.87,25.32)	36.18(32.63,39.89)	33.94(30.39,37.68)	Yes, always	49.07 (44.72,53.44)
arm	Disagree a little	8.89 (6.866,11.44)	15.96(13.96,18.19)	12.66(10.43,15.27)	Yes, sometimes	34.76 (31.08,38.64)
	Disagree a lot	6.329 (4.657,8.548)	10.86(8.278,14.12)	9.72(7.365,12.73)		
	Don't know	0.4192 (0.1765,.9924)	1.013(.5236,1.95)	.8637(.4613,1.612)		
		f252 Until what grade should mothers let their adolescent girls ideally get educated?	f273 Until what grade do you think most mothers let adolescent girls attend school?	f281 Until what grade do community members expect mothers to send their adolescent girls to school		f263 How much school grades do you really think your adolescent girl will complete?
		% (95% CI)	% (95% CI)	% (95% CI)		% (95% CI)
Double- combination arm	Mean+SE	11.27 <u>+</u> 0.15 (10.99, 11.56)	$\begin{array}{ccc} 10.47 \pm & .17 \\ (10.12, \ 10.82) \end{array}$	$\begin{array}{c} 10.\overline{44\pm} & 0.18\\ (10.09, 10.80) \end{array}$	Mean+SE	11.96 <u>+</u> 0.10 (11.75, 12.18)
Triple-combination arm	Mean+SE	10.83 <u>+</u> 0.22 (10.39, 11.26)	9.75 <u>+</u> 0.33 (9.09, 10.42)	$\begin{array}{c} 9.77 \pm 0.34 \\ 9.09, 10.44 \end{array} $ (	Mean+SE	$ \begin{array}{r} 11.66 \pm 0.18  (11.28, \\ 12.03) \end{array} $
Delayed intervention/control arm	Mean+SD	10.67 <u>+0</u> .16 (10.36, 10.99)	9.77 ±0.15 (9.47, 10.06)	$\begin{array}{c} 9.82 \pm 0.14 \\ 9.55, \ 10.09) \end{array} $	Mean+SE	11.15± 0.16 (10.83 , 11.48)

Table 25: School attendance and household work social norm matrix description of Female references, August 2016

Arm	Response	Attitude	Empirical	Normative	Behavior	
	_		expectation	expectation		
		f253 Compared to	f274 Most mothers	f282Community		How often do you
		boys, adolescent	take their	members expect		make your adolescent
		girls should help in	adolescent girls	mothers to take		girl get absent from
		the household	out of school to	their adolescent		school to do
		chores than going to	make them do	girls out of school		household chores
		school?	household chores	to make them do		when compared to
				household chores		other adolescent
			A1 (0.50) (0.7)	AL (0.50) (0.7)		boys?
		% (95% CI)	% (95% CI)	% (95% CI)		% (95% CI)
Double- combination arm	Agree a lot	19.1(15.47,23.34)	30.36(26.65,34.34)	28.52(23.9,33.63)	Often	7.86 (6.182,9.945)
	Agree a little	26.53(23.29,30.03)	28.82(25.52,32.36)	29.4(25.19,33.98)	Sometimes	26.91 (22.94,31.29)
	Disagree a little	46.76(40.39,53.24)	29.59(25.65,33.87)	32.23(27.17,37.75)	Rarely	26.75 (22.93,30.94)
	Disagree a lot	0.0418(.0056,.3121)	.6265(.2888,1.354)	.5302(.2356,1.189)	Never	37.82 (31.26,44.86)
	Don't know	13.38(10.07,17.57)	17.89(14.01,22.56)	14.34(11.06,18.38)	Don't know	.5906 (.2651,1.311)
Triple-combination arm	Agree a lot	19.4(15.75,23.65)	28.94(25.23,32.96)	26.36(21.76,31.53)	Often	11.55 (8.508,15.49)
	Agree a little	16.96(13.93,20.5)	23.09(18.65,28.22)	23.59(19.88,27.76)	Sometimes	24 (19.83,28.73)
	Disagree a little	49.96(41.78,58.15)	28.72(22.58,35.75)	34.5(27.78,41.9)	Rarely	21.95 (18.97,25.26)
	Disagree a lot	0.1729(.0418,.7122)	1.236(.6664,2.281)	1.219(.6308,2.341)	Never	37.01 (32.01,42.29)
	Don't know	14.72(12.18,17.69)	19.99(16.87,23.52)	17.29(14.82,20.09)	Don't know	2.046 (1.251,3.33)
Delayed intervention/control	Agree a lot	21.23(18.26,24.55)	31.59(28.44,34.93)	28.13(25.23,31.23)	Often	11.12 (9.071,13.57)
arm	Agree a little	19.81(16.62,23.44)	20.88(18.03,24.06)	25.23(22.38,28.31)	Sometimes	29.58 (25.89,33.56)
	Disagree a little	43.7(37.82,49.75)	26.62(23.4,30.12)	28.65(24.61,33.08)	Rarely	25.18 (21.57,29.17)
	Disagree a lot	0.425(.1784,1.009)	.8184(.4009,1.664)	.6908(.2808,1.689)	Never	31.04 (27.21,35.14)
	Don't know	19.1(15.47,23.34)	30.36(26.65,34.34)	28.52(23.9,33.63)	Don't know	2.775 (1.758,4.356)

# 3.3.6.4. Attitude, empirical expectation, normative expectation and behavior of female reference groups on early marriage

### 3.3.6.4.1. Attitude on early marriage

The average ideal age for adolescent girls to get married as reported by female references was  $14.24\pm0.09$  (95% CI. 14.05, 14.43),  $13.81\pm0.09$  (95% CI. 13.62, 14.00) and  $14.15\pm0.08$  (95% CI. 13.99, 14.31) in the first, triple-combination arm and delayed intervention/control arms, respectively. Sixty nine percent of female references in the double-combination arm and 63% and 62% of female references in the triple-combination arm and delayed intervention/control arms believed that adolescent girls should get to decide who to marry. (Table 28) Similarly, 73%, 78% and 79% of female references in the first, triple-combination arm and delayed intervention/control arms, respectively agreed that adolescent girls should have the final decision regarding their marriage. (Table 28)

6 in 10 female references in the double-combination arm and 7 in 10 of female references in the triple-combination arm and delayed intervention/control arms believed that adolescent girls should talk to their female references (Mothers/Sisters) before deciding to marry. (Table 26)

### 3.3.6.4.2. Empirical expectation on early marriage

Female references in the first, triple-combination arm and delayed intervention/control arms reported that most adolescent girls in the community commonly marry at age of 16 and later. Seven in ten female references in the first and triple-combination arms and 6 in 10 female references in the delayed intervention/control arm reported that other adolescent girls in the community decide who they marry.

Three fourth of female references across all arms believed that adolescent girls should have the final decision over their decision to marry, while over half of them across all arms said most female references (Mothers/Sisters) get consulted by their adolescent girls before making decision to marry.

### 3.3.6.4.3. Normative expectation on early marriage

Female references believed that community members expect them to marry off their adolescent girls by  $17.22\pm0.13$  (95% CI. 16.95, 17.48),  $16.76\pm0.13$  (95% CI. 16.49, 17.03) and  $16.84\pm0.08$  (95% CI. 16.85, 17.02) in the first, triple-combination arm and delayed intervention/control arms, respectively. Three forth of female references across all arms thought that community members

expect them to let their adolescent girls to have the final decision regarding the decision to marry. (Table 28)

Similarly, 6 in 10 female references across all arms believed that community members expect adolescent girls to consult their mothers/sisters before making the decision to marry. (Table 26)

### 3.3.6.4.4. Behavior on early marriage

The average age at marriage for married girls was  $14.59\pm0.16$  (95% CI. 14.26, 14.91),  $14.45\pm0.11$  (95% CI. 14.23, 146.67) and  $14.89\pm0.14$  (95% CI. 14.62, 15.18) in the first, triple-combination arm and delayed intervention/control arms, respectively. Regarding choosing a partner, 61%, 38% and 39% of female references (Mothers-in-law/sister-in-law) in the first, triple-combination arm and delayed intervention/control arms Adolescent girls being the main decision makers, followed by the husbands with 24%, 38% and 32%, respectively. (Table 27)

Most (44% and 32%) female references in the first and triple-combination arms said adolescent girls made the final decision regarding their marriage while, in the delayed intervention/control arm woreda it was only 28%. Father of the bride with 36%, was the final decision maker regarding his adolescent girls marriage in the delayed intervention/control arm.

Arm	Response	Attitude	Empirical	Normative	Behavior	
	-		expectation	expectation		
		What is the ideal	At what age do	At what age do	Response	At what age did you
		age for a girl to get	most mothers	community members		first marry?
		married?	marry off their	expect mothers to		
			daughters?	adolescent daughters?		
		% (95% CD	% (95% CI)	% (95% CD		% (95% CI)
Double-	Mean+SE	14.24+0.09	16.86+0.13 (16.6	17.22+0.13(16.95, 17.48)	Mean+SE	14.59+0.16 (14.26)
combination arm	<u>.</u>	(14.05,14.43)	,17.12)	<u>1,122-</u> 0110(101)0,11110)	<u>.</u> 5E	14.91)
Triple-combination arm	Mean <u>+</u> SE	$\begin{array}{c} 13.81+ & 0.09\\ (13.62,14.00) \end{array}$	16.23+0.14 (15.95 ,16.5)	16.76+0.13(16.49,17.03)	Mean <u>+</u> SE	$\begin{array}{r} 14.45 \pm 0.11 \ (14.23, \\ 146.67) \end{array}$
Delayed intervention/control	Mean <u>+</u> SE	14.15+0.08 (13.99, 14.31)	16.45+0.07 (16.31 ,16.59)	16.85+0.08(16.67, 17.02)	Mean <u>+</u> SE	14.89 <u>+</u> 0.14 (14.62, 15.18)
arm		uf264 Adolosoont	Lif272 Most	LIf270 Community		
		girls should talk to	mothers/sisters are	members expect		
		their	consulted by their	adolescent		
		mothers/sisters	adolescent	girls/sisters to consult		
		before making the	daughters/sisters	their mothers before		
		decision to marry	before making the	making the decision to		
		0/ (050/ CD	decision to marry	marry		
Double	Agree a lot	% (95% CI)	% (95% CI)	% (95% CI)		
combination arm	Agree a lot	(28.02,38.69)	22.38 (18.32,20.77)	23.74 (22.17,29.00)		
	Agree a little	28.43 (24.43,32.8)	31.22 (27.26,35.47)	33.15 (28.93,37.66)		
	Disagree a little	19.2 (15.35,23.76)	23.7 (20.42,27.32)	22.41 (19.11,26.1)		
	Disagree a lot	18.92 (14.33.24.58)	22.51 (18.92,26.56)	18.5 (15.23,22.28)		
	Don't know	.3035 (.0922,.9946)	.1371 (.0193,.968)	.201 (.0464,.866)		
Triple-combination	Agree a lot	43.82	21.31 (17.64,25.5)	26.4 (22.88,30.25)		
arm	-	(38.69,49.08)				
	Agree a little	27.55 (24.2,31.17)	31.77 (26.77,37.23)	35.25 (29.93,40.96)		
	Disagree a little	13.65 (11.23,16.5)	23.24 (17.36,30.39)	19.39 (14.58,25.32)		
	Disagree a lot	14.73 (11.59,18.54)	23.05 (19.19,27.41)	17.65 (13.72,22.42)		
	Don't know	.2549 (.0724,.8933)	.6347 (.2708,1.48)	1.307 (.6481,2.617)		
Delayed	Agree a lot	42.78 (38.1,47.59)	22.99 (20.16,26.09)	28.65 (25.07,32.51)		
intervention/control arm	Agree a little	29.17 (25.48,33.15)	31.61 (27.81,35.68)	33.73 (29.08,38.71)		
	Disagree a little	14.83 (11.9,18.33)	24.65 (22.11,27.38)	19.19 (16.44,22.26)		
	Disagree a lot	12.84 (9.797,16.66)	20.27 (16.66,24.44)	17.35 (14.02,21.27)		
	Don't know	.381 (.1451,.9969)	.4816 (.1794,1.286)	1.096 (.6005,1.991)		

Table 20. The at maining and reference consultation social norm matrix, Tugast 201	Table 26: Age a	t marriage and	reference	consultation	social not	rm matrix.	August 2010
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Arm	Response	Attitude	Empirical expectation	Normative expectation	Behavior	
		Who mainly should choose who a girl marries?	Who mostly chooses the adolescent girls that husbands marry?		Response	Who mainly chose the adolescent girl that your son/brother married?
		% (95% CI)	% (95% CI)			% (95% CI)
Double-	The Girl	69.16(62.14,75.39)	72.06(50.79,86.56)		The Girl	60.38(43,75.49)
combination arm	The Husband- to-be	3.16(2.03,4.887)	11.27(4.234,26.72)		The Husband	24.43(12.51,42.22)
	Father	15.98(12.1,20.81)	15.07(5.274,36.13)		Her Father	3.7(.5094,22.38)
	Mother	2.886(1.74,4.749)	0		Her mother	0
	Husband-to- be's father	3.271(1.822,5.803)	0		Myself	0
	Other Family members	.5352(.1993,1.429)	0		Other Family members	6.8(1.64,24.2)
	Friends	2.597(1.546,4.333)	1.604(.207,11.35)		Friends	2.03(.2653,13.89)
	Others(brokers, elders)	2.128(.9033,4.931)			Others	2.66(.3544,17.35)
Triple-combination arm	The Girl herself	63.42(57.73,68.77)	70.37(60.92,78.35)		The Girl	43.61(33.45,54.34)
	The Husband- to-be	5.196(3.437,7.783)	9.235(5.404,15.34)		The Husband	38.27(27.55,50.26)
	Father	19.82(14.52,26.46)	17.25(10.96,26.09)		Her Father	9.123(4.059,19.24)
	Mother	3.835(2.46,5.932)	1.366(.3137,5.746)		Her mother	0
	Husband-to- be's father	1.356(.6493,2.808)	.4312(.0568,3.196)		Myself	4.416(1.543,11.98)
	Friends	3.687(2.238,6.017)	1.344(.3269,5.355)		Respondent's husband	1.179(.2765,4.882)
	Other (Adolescent girls, brokers, elders	1.356(.7969,2.297)	0		Friends	2.471(.9222,6.451)
Delayed intervention/control	The Girl herself	61.72(57.24,66.02)	64.5(53.15,74.43)		The Girl	39.19(28.35,51.22)
arm	The Husband- to-be	4.675(3.227,6.728)	10.36(4.934,20.46)		The Husband	32.49(20.95,46.63)
	Father	22.12(18.77,25.88)	20.22 (12.61,30.81)		Her Father	12.38(6.26,23.02)
	Mother	3.825(2.657,5.476)	0		Myself	4.474(1.716,11.16)
	Husband-to- be's father	1.255(.6806,2.304)	2.228(.5704,8.3)		Respondent's husband	2.811(.9168,8.29)
	Friends	3.536(2.454,5.072)	0		Friends	2.67(.8455,8.107)
	Other (Adolescent girls, brokers, elders	1.735(1.044,2.871)	1.083(.1441,7.663)		Other	5.979 (2.459,13.82)

## Table 27: Marriage and decision making social norm matrix of female references, August 2016
Arm	Response	Attitude	Empirical	Normative	Behavior	
	•		expectation	expectation		
		Uf363	Uf371 Most	Uf378 Community	Response	mf363 Who made
		Mothers/sisters	mothers/sisters let	members expect		the final decision
		should let adolescent	their adolescent	mothers/sisters to		regarding your
		girls/sisters have the	girls/sisters to have	let their adolescent		adolescent daughter-
		final decision	the final decision	girls/sisters to have		in-law's/sister-in-
		regarding their	regarding their	the final decision		law's marriage?
		marriage	marriage	over their decision		
				to marry		
		% (95% CI)	% (95% CI)	% (95% CI)		% (95% CI)
Double-	Agree a lot	41.27 (36.55,46.16)	32.8 (28.09,37.89)	34.58(30.04,39.41)	The Girl	43.8(30.57,57.97)
combination arm	Agree a little	32.43(27.61,37.65)	34.4(30.75,38.25)	32.75(28.52,37.27)	The Husband	32.37(18.95,49.49)
	Disagree a	17 (13.9,20.61)	19.72(16.18,23.81)	19.92(16.9,23.33)	Her Father	19.14(9.18,35.66)
	little					
	Disagree a lot	9.302 (6.778,12.64)	12.94(10.16,16.34)	12.59(10.14,15.53)	Her Mother	2.03(.2653,13.89)
	Don't know	0	.1371(.0193,.968)	.169 (.0524,.5433)	Other	2.66(.3544,17.35)
Triple-combination	Agree a lot	41.74 (38.25,45.31)	28.22(23.33,33.68)	28.48(23.37,34.21)	The Girl	32.41(24.48,41.5)
arm	Agree a little	36.56(31.85,41.55)	35.57(31.18,40.21)	38.68(33.18,44.48)	The Husband	30.51(24.35,37.45)
	Disagree a	11.56(8.899,14.88)	20.92(14.98,28.42)	19.55(14.31,26.11)	Her Father	26.24(18.67,35.53)
	little					
	Disagree a lot	9.893(7.272,13.32)	14.55(10.58,19.68)	12.03(8.934,16.01)	Myself	3.102(.895,10.19)
	Don't know	.2446(.0735,.811)	.752(.3665,1.537)	1.264(.5146,3.069)	My husband	2.482(.8359,7.134)
					Other Family	1.556(.3603,6.461)
					members	
					Other	1.556(.4492,5.247)
Delayed	Agree a lot	43.67 (39.6,47.83)	32.12(28.43,36.05)	29.78(26.65,33.12)	The Girl	27.82(19.3,38.32)
intervention/control	Agree a little	35.81 (31.41,40.47)	33.98(30.46,37.68)	38.9(35.14,42.79)	The Husband	23.66(16.71,32.36)
arm	Disagree a	11.33 (9.217,13.85)	21.93(18.82,25.38)	19.07(16.2,22.3)	Her Father	36.22(27.09,46.46)
	little					
	Disagree a lot	8.688 (6.487,11.55)	11.64(9.118,14.75)	11.71(9.03,15.04)	Her Mother	2.213(.5629,8.297)
	Don't know	.5031 (.1571,1.599)	.3334(.1055,1.048)	.5464(.2163,1.373)	Myself	.8456(.1173,5.834)
					My husband	3.231(.6963,13.72)
					Other Family	3.137(.7361,12.39)
					members	
					Other (s	2.036(.5098,7.773)

Table 28: Marriage and final decision making social norm matrix of female references, August 2016

3.3.6.5. Attitude, empirical expectation, normative expectation and behavior of female reference groups on empowerment and decision making

#### 3.3.6.5.1. Attitude on empowerment and decision making

Majority (67%, 60% and 62%) of female references agreed married adolescent girls in the first, triple-combination arm and delayed intervention/control arms, respectively shouldn't require permission from their husbands to go outside of home, while 81%, 81% and 84% of female references in the first, triple-combination arm and delayed intervention/control arms said adolescent girls should ask permission from their parents before they go outside home (Table 30). Six in ten of female references in the double-combination arm and 7 in 10 of female references in the triple-combination arm and delayed intervention/control arms said adolescent girls to have a say on the use of household income.

Majority of female references (65%, 74% and 73%) in the first, triple-combination arm and delayed intervention/control arms, respectively reported that female references should allow adolescent girls to decide how much education they can get. (Table 30)

## **3.3.6.5.2.** Empirical expectation on empowerment and decision making

Eight in ten female references (mother-in-law/sister-in-law) in the double-combination arm and 5 in 10 female references in the triple-combination arm and delayed intervention/control arms reported that most female references didn't think married adolescent girls require permission from their husbands to go outside, while 8 of 10 female references across all arms reported that most female references in the community feel that they can't allow adolescent girls to go outside of the home. (Table 29)

Three fourth of female references across all arms believed that most female references allow their adolescent girls to have a say on the use of household income. Majority (70%, 74% and 74%) of respondents in the first, triple-combination arm and delayed intervention/control arms, respectively believed that most female references girls in their community allow their adolescent girls to decide how much education they can get. (Table 30)

# **3.3.6.5.3.** Normative expectation on empowerment and decision making

Sixty three percent and fifty seven percent of female references in the first and triple-combination arms, respectively thought other female references expect husbands to give permission for adolescent wives to go outside of the home, while 8 in 10 of female references girls across all arms disagreed that most female references expect them to allow their adolescent girls to go outside of their home at their own will (Table 30). Three fourth of female references across all arms believed that most female references people expect them to allow their adolescent girls to have a say on the use of household income.

Majority (70%, 72% and 74%) of respondents in the first, triple-combination arm and delayed intervention/control arms, respectively believed most female references expected them to allow adolescent girls to decide how much education they can get. (Table 30)

### 3.3.6.5.4. Behavior on empowerment and decision making

It was indicated that 8 in 10 of female responses across all arms rarely to never allowed adolescent girls to go outside of the home at their own will. Only 4 out of 10 female references across all arms reported that they fully let adolescent girls decide how much education they can get. (Table 30)

Table 29: Agency and freedom of movement social norm matrix of female references, August 2016

Image:         cspectation         cspectation           Husbands of dolescent should ubic server, writes outside of the home outside of the home         Response           Double- combination a arm a marm Disagree a lot a marm Disagree a lot a strict out have specified outside of the home outside of the home         N (95% CI)         % (95% CI)         Set (282,81,826)           Double- combination a marm Disagree a lot a marm Disagree a lot a strict Stragere a litte         21,51(7.99,25,55)         8.615(2.443,26.19)         22.8(18,84,27,32)         Image: Set (262,85,56.45)         32.8(19,83,33,55)         Image: Set (262,85,56.45)         32.8(10,05,74.01,5)         Image: Set (21,15,17,17)         Image: Set (21,15,17,17)         Image: Set (21,15,17,17)         Image: Set (21,11,17,23,15)         Image: Set (21,11,17,23,15)         Image: Set (21,11,17,24,15)         Image: Set (21,11,11,17,11,11,17,11,11,17,11,11,11,11	Arm	Response	Attitude	Empirical	Normative expectation	Behavior	
Image in the stands of adolescent should law'sisters-in-law expect give permission for the inverse of permission for their outside of the home         Other mother/smother-in- law'sister-in-law expect husbands in the community to give permission for their vice/daughter to go outside of the home         Response           Double- Agree a lott         11.11(77,91.5.6)         7.46(2.828,182.6)         12.82(0.627,16.85)         1           Agree a little         21.53(17.99,255)         8.615(2.443,26.19)         22.8(18.84,27.32)         1         1           Double- Double- a garee a little         21.53(17.99,255)         8.615(2.443,26.19)         22.8(18.84,27.32)         1         1           Disagree a little         23.17(2.32,63,3.18)         36.01(20.65,49.8)         28.98(2.478,33,5.8)         1         1           Don't know         0         1.666(2.154,11.73)         1.848(0.67,27.08)         1         1           Triple- a gree a little         22.54(19.13,26.35)         30.52(10,74,34.15)         12.06(17.152,46.7)         1         1           Diagree a little         21.05(18.05,24.4)         28.69(19.14,04.99)         35.18(2.91.84.16.9)         1         1           Delayed a gree a little         21.7(10.35,26.47)         22.09(17.72,73.8)         1         1         1           Don't know         20.7(10.83,26.47)         22.3(1.17,36.06)         20.4				expectation	-		
adolescent should         law/sitesr-in-law         law/sitesr-in-law/sitesr-in-law         law/sitesr-in-law/sit			Husbands of	Most mother-in	Other mothers/mother-in-	Response	
give permission for himk husbands give outside of the home         inkexpand for the home of the home         inkexpand for the home of the home         inkexpand for the home of the home           Double- combinatio         Agree a lott         21.53(17)92.25.5)         8.615(2.443,26.19)         22.8(18.84,27.32)         intervention           Disagree a little         21.53(17)92.25.5)         8.615(2.443,26.19)         22.8(18.84,27.32)         intervention           Disagree a little         21.53(17)92.25.5)         8.615(2.443,26.19)         22.8(18.84,27.32)         intervention           Don't know         0         1.666(2.154,11.73)         1.848(0.057,907)         intervention           Agree a little         22.54(19.13,26.35)         30.32(19.74,43.51)         20.66(17.15,24.67)         intervention           Agree a little         22.67(11.81,81.51)         16.86(2.154,11.73)         1.848(0.057,977)         intervention           Agree a little         22.67(11.81,81.51)         16.86(2.154,11.73)         22.00(17.5,24.67)         intervention           Agree a little         22.74(19.13,26.35)         30.32(19.74,43.51)         22.05(2.65)         intervention           Agree a little         22.71(19.35,26.47)         22.62(13.17,36.06)         20.44(16.07,25.63)         intervention           Disagree a litttle         22.71(19.35,26.47) <t< td=""><td></td><td></td><td>adolescent should</td><td>laws/sisters-in-law</td><td>law/sister-in-law expect</td><td></td><td></td></t<>			adolescent should	laws/sisters-in-law	law/sister-in-law expect		
brain wives to go         permission for their outside of the home outside of the home of the			give permission for	think husbands give	husbands in the community		
Image: Problem of the home         wires to go outside of the home         wires to go outside of the home         wires to go outside of the home           Double- Agree a lot         11.11(7.79,15.6)         7.46(2.828,18.26)         12.82(9.627,16.88)         Image: Advect State S			their wives to go	permission for their	to give permission for their		
Image: biologic biologio biologio biologic biologic biologic biologic biologic biologic			outside of the home	wives to go outside	wife/daughter to go outside		
wight of the second s				of the home	of the home		
Double- combination n arm         Agree a lot Disagree a little         11.11(7.79,15.6)         7.46(2.828,18.26)         12.82(9.627,16.88)           n arm         Disagree a little         21.53(17.99,25.55)         8.615(2.443,26.19)         22.8(18.84,27.32)         Image: Combination Don't know         0           Don't know         0         1.666(2.154,11.73)         1.848(0.057,5977)         Image: Combination Don't know         1.666(2.154,11.73)         1.848(0.057,5977)         Image: Combination Disagree a little         22.54(19.13,26.35)         30.32(19.74,43.51)         20.93(15.87,27.08)         Image: Combination Disagree a little         22.54(19.13,26.35)         30.32(19.74,43.51)         20.66(17.15,2.6.67)         Image: Combination Disagree a little         23.52(14.15,1.678)         5.8(0.84,25)         Image: Combination Disagree a little         23.52(14.15,1.678)         5.8(0.84,25)         Image: Combination Disagree a little         22.71(19.35,26.47)         22.69(17.57,27.38)         Image: Combination Disagree a little         23.71(19.35,26.47)         22.69(17.57,27.38)         Image: Combination Disagree a little         23.71(19.35,26.47)         23.22(19.17,36.06)         Image: Combination Disagree a little         23.71(19.02,26,318)         Image: Combination Disagree a little         23.71(19.45,26.7)         15.33(30.04,41.01)         Image: Combination Disagree a little         23.71(19.45,26.7)         15.72(17.17,25.57)         Image: Combination Disagree a lot			% (95% CI)	% (95% CI)	% (95% CI)		
combinatio n arm n arm         Agree a little         21.53(17.99,25.55)         8.615(2.443,26.19)         22.8(18.84,27.32)           Disagree a little         23.91(34.4,44.19)         46.25(28,95,64.5)         35.21(30,57,40.15)	Double-	Agree a lot	11.11(7.79,15.6)	7.46(2.828,18.26)	12.82(9.627,16.88)		
n arm Disagree a little         28.17(23.66,33.18)         36.01(20.6,54.98)         28.98(24.78.33.58)           Don't know         0         46.25(28.95,64.5)         35.21(30.57.40.15)            Triple- n arm         Agree a lot         15.63(12.54,19.22)         13.54(8.05,22.16)         20.93(15.87,27.08)            Disagree a lot         12.56(11.52,4,19.22)         13.54(8.05,22.16)         20.93(15.87,27.08)             Disagree a lot         22.54(19.13,26.53)         30.32(19.74,44.51)         20.66(17.15,24.67)             Disagree a little         21.05(18.05,24.4)         26.59(19.79,34.73)         22.01(16.63,28.53)             Don't know         8.327(41.15,1.678)         58(0.84.25)         1.22(55.2.65)             Singaree a lot         15.05(12.13,18.51)         16.82(10.25,26.34)         22.09(17.57,27.38)             Singaree a lot         40.64(34.58,47.01)         41.31(29.11,54.67)         35.33(30.04,41.01)             Disagree a lot         20.64(18.25.1)         17.76(10.47,25.5         1.076(5.4568.2.106)             Vill         Vill         21.34(4.69)         2.111(1.261.3.51.5)         0.56(1.00.2.56.39) <td>combinatio</td> <td>Agree a little</td> <td>21.53(17.99,25.55)</td> <td>8.615(2.443,26.19)</td> <td>22.8(18.84,27.32)</td> <td></td> <td></td>	combinatio	Agree a little	21.53(17.99,25.55)	8.615(2.443,26.19)	22.8(18.84,27.32)		
Disagree a lot         39.19(34.44.19)         46.25(28.95,64.5)         35.21(30.77.01.5)           Don't know         0         1.666(.2154.11.73)         1.848(.057,.5977)            Combinatio n arm         Agree a little         22.54(19.13.26.35)         30.32(19.74.43.51)         20.66(17.152.46.7)            Disagree a little         22.54(19.13.26.35)         30.32(19.74.43.51)         20.66(17.152.46.7)             Disagree a little         22.54(19.13.26.35)         30.32(19.74.43.51)         20.66(17.152.46.7)             Disagree a little         23.95(34.7.45.44)         28.86(19.16.40.99)         35.18(29.18.4.69)             Don't know         8327(.4115.1.678)         .58(08.4.25)         1.22(.55.2.65)             Control arm         Disagree a little         21.34(18.25.1)         17.76(10.47.28.5)         21.07(17.17.25.63)             Control arm         Disagree a little         21.34(18.25.1)         1.776(10.47.28.5)         21.07(17.17.25.57)              Don't know         .2601(0826.8158)         1.494(.364.59.2)         1.076(.5488.2.106)	n arm	Disagree a little	28.17(23.66,33.18)	36.01(20.6,54.98)	28.98(24.78,33.58)		
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		Disagree a lot	39.19(34.4,44.19)	46.25(28.95,64.5)	35.21(30.57,40.15)		
Triple- combination n arm         Agree a lot         15.63(12.54,19.32)         13.64(8.05,22.16)         20.93(12.87,10.8)         Image: Description           n arm         Disagree a little         22.54(19.13,26.35)         30.32(19,74,43.51)         20.66(17.15,24.67)         Image: Disagree a little         21.05(18.05,24.4)         26.59(19.79,34.73)         22.01(16.63,28.53)         Image: Disagree a little         21.05(18.05,24.4)         28.86(19.16,40.99)         35.18(25,2.65)         Image: Disagree a little         22.71(19.35,26.47)         22.69(17.57,27.38)         Image: Disagree a little         22.71(19.35,26.47)         22.69(13.17,36.06)         20.44(16.07,25.63)         Image: Disagree a little         21.34(18,25.1)         17.76(10.47,28.5)         21.07(17,72,5.77)         Image: Disagree a little         21.34(18,25.1)         17.76(10.47,28.5)         21.07(17,72,5.77)         Image: Disagree a little         21.34(18,25.1)         17.76(10.47,28.5)         21.07(17,72,5.77)         Image: Disagree a little         21.34(18,35,47.0)         Image: Hitle         14.34(364,5.92)         1.076(5468,2.106)         Image: Hitle         Image: Disagree a little         21.34(18,354,70)         1.076(5468,2.106)         Image: Hitle         Image: Disagree a little         1.09(256,43.23,70)         Image: Disagree a little         20.35(256,43.27)         1.056(21,00,00,00,00,00,00,00,00,00,00,00,00,00		Don't know	0	1.666(.2154,11.73)	.1848(.057,.5977)		
Agree a little         22.54(19.13,26.35)         30.32(19.74,43.51)         20.66(17.15,24.67)         Image a little         21.05(18.05,24.4)           Disagree a little         21.05(18.05,24.4)         26.59(19.79,34.73)         22.01(16.03,28.53)         Image a little         21.05(18.05,24.4)           Don't know         8327(4115,1.678)         28.86(19.164.0.99)         S1.18(29.18.41.69)         Image a little         21.05(17.15,27.67)           Delayed         Agree a lot         15.05(12.13,18.51)         16.82(10.25,26.34)         22.09(17.57,27.38)         Image a little         21.34(18,25.1)         17.76(10.47,28.5)         21.07(17.17,25.57)         Image a little         21.34(18,25.1)         17.76(10.47,28.5)         21.07(17.17,25.57)         Image a little         21.34(18,25.1)         Image a little         21.34(18,25.1)         17.76(10.47,28.5)         21.07(17.17,25.57)         Image a little         21.34(18,25.1)         Image a little         23.34(19.04,101)         Image a lit	Triple-	Agree a lot	15.63(12.54,19.32)	13.64(8.05,22.16)	20.93(15.87,27.08)		
n arm         Disagree a little         21.05(18.05,24.4)         26.59(19.79,34.73)         22.01(16.63,28.53)         Image: Constraint of the second	combinatio	Agree a little	22.54(19.13,26.35)	30.32(19.74,43.51)	20.66(17.15,24.67)		
Disagree a lot         39.95(34.7,45.44)         28.86(19.16,40.99)         35.18(29.18,41.69)         Image: Construct and Constreand Construct and Construct and Construct and Construct and Cons	n arm	Disagree a little	21.05(18.05,24.4)	26.59(19.79,34.73)	22.01(16.63,28.53)		
Don't know         .8327(4115,1.678)         .58(.08,4.25)         1.22(.55,2.65)         Image: Control and the co		Disagree a lot	39.95(34.7,45.44)	28.86(19.16,40.99)	35.18(29.18,41.69)		
Delayed intervention /control arm         Agree a lot         15.05(12.13,18.51)         16.82(10.25,26.34)         22.09(17,57,27,38)           Agree a little         22.71(19,35,26.47)         22.62(13,17,36.06)         20.44(16,07,25.63)         20.44(16,07,25.63)           Disagree a little         21.34(18,25.1)         17.76(10.47,28.5)         21.07(17,17,25.57)         21.07(17,17,25.57)           Don't know         .2601(.0826,8158)         1.494(.364,5.92)         1.076(.5468,2.106)         441 How often de you aloescent girl to go outside of their home at their own will.           Magree a lot         4.67(32,54,67)         35.33(300,44.101)         443 Most Mothers in this community expect you to aloescent girl to go outside of their home at their own will.         463 Most mothers in the community expect you to aloescent girl to go outside of their home at their own will.         allow your adolescent girl to go outside of her home at her own will.           Magree a little         13.77(10.77,17.45)         16.05(13.03,19.61)         17.89 (14.26,22.19)         Sometimes         15.69(13.16,18.59)           Disagree a little         9.31(25.64/3.32.7)         31.55(26/7.63/6.76)         32.02 (26.338.33)         Rarely         31.67(26.53,37.3)           Disagree a little         5.13(3.499,7.641)         3.82 (2.377,6.087)         4.108 (2.341,7.111)         Often         1.807(1.107,2.938)           Disagree a little         5.193(3.499,7.641		Don't know	.8327(.4115,1.678)	.58(.08,4.25)	1.22(.55,2.65)		
Agree a little         22.71(19.35,26.47)         22.62(13.17,36.06)         20.44(16.07,25.63)           Disagree a little         21.34(18,25.1)         17.76(10.47,28.5)         21.07(17.17,25.57)         1000000000000000000000000000000000000	Delayed	Agree a lot	15.05(12.13,18.51)	16.82(10.25,26.34)	22.09(17.57,27.38)	1	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	intervention	Agree a little	22.71(19.35.26.47)	22.62(13.17.36.06)	20.44(16.07.25.63)		
Disagree a lot         40.64(34.58,47.01)         41.31(29.1,154.67)         35.33(30.04,41.01)           Don't know         .2601(.0826,8158)         1.494(.364,5.92)         1.076(.5468,2.106)         463           Most mothers in the allow adolescent girls to go outside of the home at their own will         448 Most Mothers in the community expect you to allow your adolescent girl to go outside of their home at their own will.         463 Most mothers in the community expect you to allow your adolescent girl to go outside of their home at their own will.         469 Most mothers in the community expect you to allow your adolescent girl to go outside of their home at their own will.           % (95% CI)         % (	/control arm	Disagree a little	21.34(18.25.1)	17.76(10.47.28.5)	21.07(17.17.25.57)		
Don't know         .2601(0826,8158)         1.494(364,5.92)         1.076(.5468,2.106)           Image: Strain Stra		Disagree a lot	40.64(34.58.47.01)	41.31(29.11.54.67)	35.33(30.04.41.01)		
Agree a lot         4.119(2.634,6.38)         2.771(1.624,4.68)         2.111 (1.261,3.515)         Often         1.734(1.088,2.754)           Double- combinatio n arm         Agree a lot         4.119(2.634,6.388)         2.771(1.624,4.689)         2.111 (1.261,3.515)         Often         1.734(1.088,2.754)           Disagree a little         13.77(10.77,17.45)         16.05(13.03,19.61)         17.89 (14.26,22.19)         Sometimes         15.69(13.16,18.59)           Disagree a little         23.1(47.73,56.86)         49.51 (43.24,55.8)         47.69 (41.61,53.85)         Never         50.59(44.48,56.69)           Don't know         3081(.1074,8808)         .1182(.027,5117)         .2932 (.1093,.7841)         Don't know         3183(.1027,.9819)           Triple- combinatio n arm         Agree a lot         5.193(3.499,7.641)         3.82 (2.377,6.087)         4.108 (2.341,7.111)         Often         1.807(1.107,2.938)           Disagree a little         10.76(8.015,14.3)         14.06(11.12,17.63)         16.67 (13.56,20.33)         Sometimes         16.71(14.01,19.81)           Disagree a lot         5.193(3.499,7.641)         3.82 (.2377,6.087)         4.108 (2.341,7.111)         Often         1.807(1.107,2.938)           Disagree a lot         5.193(3.499,7.641)         3.82 (.2377,6.087)         4.108 (2.341,7.111)         Often         1.807(1.107,2.938)		Don't know	2601(0826,8158)	1 494( 364 5 92)	1 076( 5468 2 106)		
Agree a lot         4.119(2.634,6.388)         2.771(1.624,4.689)         2.111 (1.261,3.515)         Often         1.734(1.088,2.754)           Double- combination n arm         Agree a lot         4.119(2.634,6.388)         2.771(1.624,4.689)         2.111 (1.261,3.515)         Often         1.734(1.088,2.754)           Double- combination n arm         Agree a lot         4.119(2.634,6.388)         2.771(1.624,4.689)         2.111 (1.261,3.515)         Often         1.734(1.088,2.754)           Disagree a little         13.77(10.77,17.45)         16.05(13.03,19.61)         17.89 (14.26,22.19)         Sometimes         15.69(13.16,18.59)           Disagree a little         29.31(25.64,33.27)         31.55(26.76,36.76)         32.02 (26.3,38.33)         Rarely         31.67(26.53,37.3)           Disagree a lot         52.31(47,73,56.86)         49.51 (43.24,55.8)         47.69 (41.61,53.85)         Never         50.59(44.85.66)           Don't know         .3081(.1074.8808)         .1182(.027,.5117)         .2932 (1093,.7841)         Don't know         3183(.1027,.9819)           Triple- combination n arm         Agree a lot         5.193(3.499,7.641)         3.82 (2.377,6.087)         4.108 (2.341,7.111)         Often         1.807(1.107,2.938)           Don't know         2.188(50.68,66.54)         58.45(51.83,64.78)         54.62 (46.41,62.58)         Never		Don't know	f432 Mothers should	448 Most Mothers in	463 Most mothers in the		f441 How often do
to go outside of the home at their own will         they can allow adolescent girl to go outside of their home at their own will.         adolescent girl to go outside of her home at her own will           Double- combinatio n arm         Agree a lot         4.119(2.634,6.388)         2.771(1.624,4.689)         2.111 (1.261,3.515)         Often         1.734(1.088,2.754)           Double- combinatio n arm         Agree a lot         4.119(2.634,6.388)         2.771(1.624,4.689)         2.111 (1.261,3.515)         Often         1.734(1.088,2.754)           Disagree a little         13.77(10.77,17.45)         16.05(13.03,19.61)         17.89 (14.26,22.19)         Sometimes         15.69(13.16,18.59)           Disagree a little         29.31(25.64,33.27)         31.55(26.76,36.76)         32.02 (26.3,38.33)         Rarely         31.67(26.53,37.3)           Disagree a lot         52.31(47.73,56.86)         49.51 (43.24,55.8)         47.69 (41.61,53.85)         Never         50.59(44.48,56.69)           Don't know         .3081(1074,.8808)         .1182(027,.5117)         .2932 (.1093,.7841)         Don't know         3183(.1027,.9819)           Triple- combinatio n arm         Agree a lot         5.193(3.499,7.641)         3.82 (2.377.60.87)         4.108 (2.341,7.111)         Often         1.807(1.107,2.938)           Disagree a little         10.76(8.015,14.3)         14.06(11.12			allow adolescent girls	this community feel	community expect you to		vou allow vour
home at their own will         adolescent girl to go outside of their home at their own will.         go outside of her home at her own will         outside of your home at her own will           Double- combination n arm         Agree a lot         4.119(2.634,6.388)         2.771(1.624,4689)         2.111 (1.261,3.515)         Often         1.734(1.088,2.754)           Disagree a little         13.77(10.77,17.45)         16.05(13.03,19.61)         17.89 (14.26,22.19)         Sometimes         15.69(13.16,18.59)           Disagree a little         29.31(25.64,33.27)         31.55(26.76,36.76)         32.02 (26.3,38.33)         Rarely         31.67(26.53,37.3)           Disagree a lot         52.31(47.73,56.86)         49.51 (43.24,55.8)         47.69 (41.61,53.85)         Never         50.59(44.48,56.69)           Don't know         .3081(.1074,8808)         .1182(.027,.5117)         2932 (.1093,.7841)         Don't know         3183(.1027,.9819)           Triple- combinatio n arm         Agree a little         10.76(8.015,14.3)         14.06(11.12,17.63)         16.67 (13.56,20.33)         Sometimes         16.71(14.01,19.81)           Disagree a little         23.18.67,27.98         21.77(17.84,26.29)         23.84 (19.24,29.14)         Rarely         25.87(21.43,30.87)           Disagree a lot         58.84(50.68,65.4)         58.45(51.83,64.3.8)         54.62 (46.41,62.58)         Never			to go outside of the	they can allow	allow your adolescent girl to		adolescent girl to go
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$			home at their own	adolescent girl to go	go outside of her home at		outside of your home
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$			will	outside of their home	her own will		at her own will?
by (95% CI)         % (95% CI)           Double- combinatio n arm         Agree a lot         4.119(2.634,6.388)         2.771(1.624,4.689)         2.111 (1.261,3.515)         Often         1.734(1.088,2.754)           Disagree a little         13.77(10.77,17.45)         16.05(13.03,19.61)         17.89 (14.26,22.19)         Sometimes         15.69(13.16,18.59)           Disagree a little         29.31(25.64,33.27)         31.55(26.76,36.76)         32.02 (26.3,38.33)         Rarely         31.67(26.53,37.3)           Disagree a lot         52.31(47.73,56.86)         49.51 (43.24,55.8)         47.69 (41.61,53.85)         Never         50.59(44.48,56.69)           Don't know         .3081(.1074,.8808)         .1182(.027,.5117)         .2932 (.1093,.7841)         Don't know         .3183(.1027,.9819)           Triple- combinatio n arm         Agree a lot         5.193(3.499,7.641)         3.82 (2.377,6.087)         4.108 (2.341,7.111)         Often         1.807(1.107,2.938)           Disagree a little         10.76(8.015,14.3)         14.06(11.12,17.63)         16.67 (13.56,20.33)         Sometimes         16.71(14.01,19.81)           Disagree a little         23(18.67,27.98)         21.77(17.84,26.29)         23.84 (19.24,29.14)         Rarely         25.87(21.43,30.8				at their own will.			
Double- combinatio n arm         Agree a lot         4.119(2.634,6.388)         2.771(1.624,4.689)         2.111 (1.261,3.515)         Often         1.734(1.088,2.754)           n arm         Disagree a little         13.77(10.77,17.45)         16.05(13.03,19.61)         17.89 (14.26,22.19)         Sometimes         15.69(13.16,18.59)           n arm         Disagree a little         29.31(25.64,33.27)         31.55(26.76,36.76)         32.02 (26.3,38.33)         Rarely         31.67(26.53,37.3)           Disagree a lot         52.31(47.73,56.86)         49.51 (43.24,55.8)         47.69 (41.61,53.85)         Never         50.59(44.48,56.69)           Don't know         .3081(.1074,8808)         .1182(.027,5117)         .2932 (.1093,7841)         Don't know         3183(.1027,9819)           Triple-         Agree a lot         5.193(3.499,7.641)         3.82 (2.377,6.087)         4.108 (2.341,7.111)         Often         1.807(1.107,2.938)           combinatio         Agree a little         10.76(8.015,14.3)         14.06(11.12,17.63)         16.67 (13.56,20.33)         Sometimes         16.71(14.01,19.81)           n arm         Disagree a little         23(18.67,27.98)         21.77(17.84,26.29)         23.84 (19.24,29.14)         Rarely         25.87(21.43,30.87)           Don't know         2.158(8559,5.336)         1.692(.8856,3.209)         .7612			% (95% CI)	% (95% CI)	% (95% CI)		% (95% CI)
Agree a little         13.77(10.77,17.45)         16.05(13.03,19.61)         17.89 (14.26,22.19)         Sometimes         15.69(13.16,18.59)           n arm         Disagree a little         29.31(25.64,33.27)         31.55(26.76,36.76)         32.02 (26.3,38.33)         Rarely         31.67(26.53,37.3)           Disagree a lot         52.31(47.73,56.86)         49.51 (43.24,55.8)         47.69 (41.61,53.85)         Never         50.59(44.48,56.69)           Don't know         .3081(.1074,8808)         .1182(.027,.5117)         .2932 (.1093,.7841)         Don't know         3183(.1027,.9819)           Triple-         Agree a lot         5.193(3.499,7.641)         3.82 (2.377,6.087)         4.108 (2.341,7.111)         Often         1.807(1.107,2.938)           combinatio         Agree a little         10.76(8.015,14.3)         14.06(11.12,17.63)         16.67 (13.56,20.33)         Sometimes         16.71(14.01,19.81)           n arm         Disagree a little         23(18.67,27.98)         21.77(17.84,26.29)         23.84 (19.24,29.14)         Rarely         25.87(21.43,30.87)           Disagree a lot         58.84(50.68,66.54)         58.45(51.83,64.78)         54.62 (46.41,62.58)         Never         55.15(49.39,60.78)           Don't know         2.158(.8559,5.336)         1.692(.8856,3.209)         .7612 (.3247,1.774)         Don't know         46	Double-	Agree a lot	4.119(2.634,6.388)	2.771(1.624,4.689)	2.111 (1.261,3.515)	Often	1.734(1.088,2.754)
n arm         Disagree a little         29.31(25.64,33.27)         31.55(26.76,36.76)         32.02 (26.3,38.33)         Rarely         31.67(26.53,37.3)           Disagree a lot         52.31(47.73,56.86)         49.51 (43.24,55.8)         47.69 (41.61,53.85)         Never         50.59(44.48,56.69)           Don't know         .3081(.1074,.8808)         .1182(.027,.5117)         .2932 (.1093,.7841)         Don't know         .3183(.1027,.9819)           Triple-         Agree a lot         5.193(3.499,7.641)         3.82 (2.377,6.087)         4.108 (2.341,7.111)         Often         1.807(1.107,2.938)           Combinatio         Agree a little         10.76(8.015,14.3)         14.06(11.12,17.63)         16.67 (13.56,20.33)         Sometimes         16.71(14.01,19.81)           Disagree a little         23(18.67,27.98)         21.77(17.84,26.29)         23.84 (19.24,29.14)         Rarely         25.87(21.43,30.87)           Disagree a lot         58.84(50.68,66.54)         58.45(51.83,64.78)         54.62 (46.41,62.58)         Never         55.15(49.39,60.78)           Don't know         2.158(.8559,5.336)         1.692(.8856,3.209)         .7612 (.3247,1.774)         Don't know         4614(.2003,1.059)           Delayed         Agree a lot         4.045(2.749,5.914)         3.372(2.136,5.282)         3.806 (2.573,5.597)         Often         1.54(.	combinatio	Agree a little	13.77(10.77,17.45)	16.05(13.03,19.61)	17.89 (14.26,22.19)	Sometimes	15.69(13.16,18.59)
Disagree a lot         52.31(47.73,56.86)         49.51 (43.24,55.8)         47.69 (41.61,53.85)         Never         50.59(44.48,56.69)           Don't know         .3081(.1074,8808)         .1182(.027,.5117)         .2932 (.1093,.7841)         Don't know         .3183(.1027,.9819)           Triple- combinatio         Agree a lot         5.193(3.499,7.641)         3.82 (2.377,6.087)         4.108 (2.341,7.111)         Often         1.807(1.107,2.938)           n arm         Disagree a little         10.76(8.015,14.3)         14.06(11.12,17.63)         16.67 (13.56,20.33)         Sometimes         16.71(14.01,19.81)           Disagree a little         23(18.67,27.98)         21.77(17.84,26.29)         23.84 (19.24,29.14)         Rarely         25.87(21.43,30.87)           Disagree a lot         58.84(50.68,66.54)         58.45(51.83,64.78)         54.62 (46.41,62.58)         Never         55.15(49.39,60.78)           Don't know         2.158(.8559,5.336)         1.692(.8856,3.209)         .7612 (.3247,1.774)         Don't know         4614(.2003,1.059)           Delayed         Agree a lot         4.045(2.749,5.914)         3.372(2.136,5.282)         3.806 (2.573,5.597)         Often         1.54(.9668,2.444)           intervention         Agree a little         10.79(8.782,13.19)         14.4 (11.74,17.54)         14.44 (10.42,19.66)         Sometimes	n arm	Disagree a little	29.31(25.64,33.27)	31.55(26.76,36.76)	32.02 (26.3,38.33)	Rarely	31.67(26.53,37.3)
Don't know         .3081(.1074,.8808)         .1182(.027,.5117)         .2932 (.1093,.7841)         Don't know         .3183(.1027,.9819)           Triple- combinatio n arm         Agree a lot         5.193(3.499,7.641)         3.82 (2.377,6.087)         4.108 (2.341,7.111)         Often         1.807(1.107,2.938)           Disagree a little         10.76(8.015,14.3)         14.06(11.12,17.63)         16.67 (13.56,20.33)         Sometimes         16.71(14.01,19.81)           Disagree a little         23(18.67,27.98)         21.77(17.84,26.29)         23.84 (19.24,29.14)         Rarely         25.87(21.43,30.87)           Disagree a lot         58.84(50.68,66.54)         58.45(51.83,64.78)         54.62 (46.41,62.58)         Never         55.15(49.39,60.78)           Don't know         2.158(.8559,5.336)         1.692(.8856,3.209)         .7612 (.3247,1.774)         Don't know         4614(.2003,1.059)           Delayed intervention         Agree a lot         4.045(2.749,5.914)         3.372(2.136,5.282)         3.806 (2.573,5.597)         Often         1.54(.9668,2.444)           /control arm         Disagree a little         10.79(8.782,13.19)         14.4 (11.74,17.54)         14.44 (10.42,19.66)         Sometimes         15.33(13.05,17.93)           /control arm         Disagree a little         21.64(18.69,24.9)         23.06(19.24,27.39)         22.02 (18.69,25.76		Disagree a lot	52.31(47.73,56.86)	49.51 (43.24,55.8)	47.69 (41.61,53.85)	Never	50.59(44.48,56.69)
Agree a lot         5.193(3.499,7.641)         3.82 (2.377,6.087)         4.108 (2.341,7.111)         Often         1.807(1.107,2.938)           combinatio n arm         Agree a little         10.76(8.015,14.3)         14.06(11.12,17.63)         16.67 (13.56,20.33)         Sometimes         16.71(14.01,19.81)           Disagree a little         23(18.67,27.98)         21.77(17.84,26.29)         23.84 (19.24,29.14)         Rarely         25.87(21.43,30.87)           Disagree a lot         58.84(50.68,66.54)         58.45(51.83,64.78)         54.62 (46.41,62.58)         Never         55.15(49.39,60.78)           Don't know         2.158(.8559,5.336)         1.692(.8856,3.209)         .7612 (.3247,1.774)         Don't know         .4614(.2003,1.059)           Delayed intervention         Agree a lot         4.045(2.749,5.914)         3.372(2.136,5.282)         3.806 (2.573,5.597)         Often         1.54(.9668,2.444)           /control arm         Disagree a little         10.79(8.782,13.19)         14.4 (11.74,17.54)         14.44 (10.42,19.66)         Sometimes         15.33(13.05,17.93)           /control arm         Disagree a little         21.64(18.69,24.9)         23.06(19.24,27.39)         22.02 (18.69,25.76)         Rarely         22.87(20.27,25.7)           Disagree a lot         62.73(58.1,67.14)         58.58(53.79,63.22)         59.29 (54.17,64.23)		Don't know	.3081(.1074,.8808)	.1182(.027,.5117)	.2932 (.1093,.7841)	Don't know	.3183(.1027,.9819)
Agree a little         10.76(8.015,14.3)         14.06(11.12,17.63)         16.67 (13.56,20.33)         Sometimes         16.71(14.01,19.81)           n arm         Disagree a little         23(18.67,27.98)         21.77(17.84,26.29)         23.84 (19.24,29.14)         Rarely         25.87(21.43,30.87)           Disagree a lot         58.84(50.68,66.54)         58.45(51.83,64.78)         54.62 (46.41,62.58)         Never         55.15(49.39,60.78)           Don't know         2.158(.8559,5.336)         1.692(.8856,3.209)         .7612 (.3247,1.774)         Don't know         .4614(.2003,1.059)           Delayed         Agree a lot         4.045(2.749,5.914)         3.372(2.136,5.282)         3.806 (2.573,5.597)         Often         1.54(.9668,2.444)           intervention         Agree a little         10.79(8.782,13.19)         14.4 (11.74,17.54)         14.44 (10.42,19.66)         Sometimes         15.33(13.05,17.93)           /control arm         Disagree a little         21.64(18.69,24.9)         23.06(19.24,27.39)         22.02 (18.69,25.76)         Rarely         22.87(20.27,25.7)           Disagree a lot         62.73(58.1,67.14)         58.58(53.79,63.22)         59.29 (54.17,64.23)         Never         59.83(55.55,63.97)           Don't know         .8001(2958,2.145)         .4815(1723,1.338)         .4414 (.1865,1.041)         Don't know	Triple-	Agree a lot	5.193(3.499,7.641)	3.82 (2.377,6.087)	4.108 (2.341,7.111)	Often	1.807(1.107,2.938)
n arm         Disagree a little         23(18.67,27.98)         21.77(17.84,26.29)         23.84 (19.24,29.14)         Rarely         25.87(21.43,30.87)           Disagree a lot         58.84(50.68,66.54)         58.45(51.83,64.78)         54.62 (46.41,62.58)         Never         55.15(49.39,60.78)           Don't know         2.158(.8559,5.336)         1.692(.8856,3.209)         .7612 (.3247,1.774)         Don't know         .4614(.2003,1.059)           Delayed         Agree a lot         4.045(2.749,5.914)         3.372(2.136,5.282)         3.806 (2.573,5.597)         Often         1.54(.9668,2.444)           intervention         Agree a little         10.79(8.782,13.19)         14.4 (11.74,17.54)         14.44 (10.42,19.66)         Sometimes         15.33(13.05,17.93)           /control arm         Disagree a little         21.64(18.69,24.9)         23.06(19.24,27.39)         22.02 (18.69,25.76)         Rarely         22.87(20.27,25.7)           Disagree a lot         62.73(58.1,67.14)         58.58(53.79,63.22)         59.29 (54.17,64.23)         Never         59.83(55.55,63.97)           Don't know         .8001(2958 2.145)         .4815(.1723 1.338)         .4414 (.1865 1.041)         Don't know         .4237(1787 1.001)	combinatio	Agree a little	10.76(8.015,14.3)	14.06(11.12,17.63)	16.67 (13.56,20.33)	Sometimes	16.71(14.01,19.81)
Disagree a lot         58.84(50.68,66.54)         58.45(51.83,64.78)         54.62 (46.41,62.58)         Never         55.15(49.39,60.78)           Don't know         2.158(.8559,5.336)         1.692(.8856,3.209)         .7612 (.3247,1.774)         Don't know         .4614(.2003,1.059)           Delayed intervention /control arm         Agree a lot         4.045(2.749,5.914)         3.372(2.136,5.282)         3.806 (2.573,5.597)         Often         1.54(.9668,2.444)           Disagree a little         10.79(8.782,13.19)         14.4 (11.74,17.54)         14.44 (10.42,19.66)         Sometimes         15.33(13.05,17.93)           /control arm         Disagree a little         21.64(18.69,24.9)         23.06(19.24,27.39)         22.02 (18.69,25.76)         Rarely         22.87(20.27,25.7)           Disagree a lot         62.73(58.1,67.14)         58.58(53.79,63.22)         59.29 (54.17,64.23)         Never         59.83(55.55,63.97)           Don't know         .8001(2958,2.145)         .4815(.1723,1.338)         .4414 (.1865,1.041)         Don't know         .4237(.1787,1.001)	n arm	Disagree a little	23(18.67,27.98)	21.77(17.84,26.29)	23.84 (19.24,29.14)	Rarely	25.87(21.43,30.87)
Don't know         2.158(.8559,5.336)         1.692(.8856,3.209)         .7612 (.3247,1.774)         Don't know         .4614(.2003,1.059)           Delayed intervention         Agree a lot         4.045(2.749,5.914)         3.372(2.136,5.282)         3.806 (2.573,5.597)         Often         1.54(.9668,2.444)           /control arm         Disagree a little         10.79(8.782,13.19)         14.4 (11.74,17.54)         14.44 (10.42,19.66)         Sometimes         15.33(13.05,17.93)           /control arm         Disagree a little         21.64(18.69,24.9)         23.06(19.24,27.39)         22.02 (18.69,25.76)         Rarely         22.87(20.27,25.7)           Disagree a lot         62.73(58.1,67.14)         58.58(53.79,63.22)         59.29 (54.17,64.23)         Never         59.83(55.55,63.97)           Don't know         .8001(2958,2.145)         .4815(.1723,1.338)         .4414 (.1865,1.041)         Don't know         4237(.1787,1.001)		Disagree a lot	58.84(50.68,66.54)	58.45(51.83,64.78)	54.62 (46.41,62.58)	Never	55.15(49.39,60.78)
Delayed intervention         Agree a lot         4.045(2.749,5.914)         3.372(2.136,5.282)         3.806 (2.573,5.597)         Often         1.54(.9668,2.444)           Magree a little         10.79(8.782,13.19)         14.4 (11.74,17.54)         14.44 (10.42,19.66)         Sometimes         15.33(13.05,17.93)           /control arm         Disagree a little         21.64(18.69,24.9)         23.06(19.24,27.39)         22.02 (18.69,25.76)         Rarely         22.87(20.27,25.7)           Disagree a lot         62.73(58.1,67.14)         58.58(53.79,63.22)         59.29 (54.17,64.23)         Never         59.83(55.55,63.97)           Don't know         .8001(2958,2.145)         .4815(.1723,1.338)         .4414 (.1865,1.041)         Don't know         4237(.1787,1.001)		Don't know	2.158(.8559,5.336)	1.692(.8856,3.209)	.7612 (.3247,1.774)	Don't know	.4614(.2003,1.059)
Intervention         Agree a little         10.79(8.782,13.19)         14.4 (11.74,17.54)         14.44 (10.42,19.66)         Sometimes         15.33(13.05,17.93)           /control arm         Disagree a little         21.64(18.69,24.9)         23.06(19.24,27.39)         22.02 (18.69,25.76)         Rarely         22.87(20.27,25.7)           Disagree a lot         62.73(58.1,67.14)         58.58(53.79,63.22)         59.29 (54.17,64.23)         Never         59.83(55.55,63.97)           Don't know         .8001(2958.2.145)         .4815(.1723.1.338)         .4414 (.1865.1.041)         Don't know         .4237(.1787.1.001)	Delayed	Agree a lot	4.045(2.749,5.914)	3.372(2.136,5.282)	3.806 (2.573,5.597)	Often	1.54(.9668,2.444)
Join Control arm         Disagree a little         21.64(18.69,24.9)         23.06(19.24,27.39)         22.02 (18.69,25.76)         Rarely         22.87(20.27,25.7)           Disagree a lot         62.73(58.1,67.14)         58.58(53.79,63.22)         59.29 (54.17,64.23)         Never         59.83(55.55,63.97)           Don't know         .8001(2958.2.145)         .4815(.1723.1.338)         .4414 (.1865.1.041)         Don't know         .4237(.1787.1.001)	intervention	Agree a little	10.79(8.782,13.19)	14.4 (11.74,17.54)	14.44 (10.42,19.66)	Sometimes	15.33(13.05,17.93)
Disagree a lot         62.73(58.1,67.14)         58.58(53.79,63.22)         59.29 (54.17,64.23)         Never         59.83(55.55,63.97)           Don't know         .8001(.2958.2.145)         .4815(.1723.1.338)         .4414 (.1865.1.041)         Don't know         .4237(.1787.1.001)	/control arm	Disagree a little	21.64(18.69.24.9)	23.06(19.24.27.39)	22.02 (18.69,25.76)	Rarely	22.87(20.27.25.7)
Don't know8001(2958.2.145)4815(.1723.1.338)4414(.1865.1.041)Don't know4237(.1787.1.001)		Disagree a lot	62.73(58.1.67.14)	58.58(53.79.63.22)	59.29 (54.17.64.23)	Never	59.83(55.55.63.97)
		Don't know	.8001(.2958.2.145)	.4815(.1723.1.338)	.4414 (.1865.1.041)	Don't know	4237(.1787.1.001)

# Table 30: Agency on income and educational attainment social norm matrix of female references, August 2016

Arm	Response	Attitude	Empirical	Normative expectation	Behavior	
			expectation			1
		f436 Mothers	457 Most mothers	471 Most mothers in the		
		should allow	allow their	community expect you		
		adolescent girls to	adolescent girls to	to allow your adolescent		
		have a say on the	have a say on the	girl to have a say on the		
		use of household	use of household	use of household income		
				0/ (050/ CI)		0/ (050/ CI)
Daubla	A grage a lat	% (95% CI)	% (95% CI)	% (95% CI)		% (95% CI)
Double-	Agree a lot	22.08(18.11,20.03)	13.9(12.04,19.8)	20.5 (10.57,24.88)		
on arm	Agree a little	41.89(38.19,45.09)	50.17(45.56,54.77)	40.05 (41.00,51.07)		
	Disagree a little	22(18.27,26.25)	23.85(20.06,28.09)	22.17 (18.68,26.12)		
	Disagree a lot	13.92(11,17.46)	9.889(7.503,12.93)	10.34 (8.215,12.93)		
TT · 1	Don't know	.1015(.0241,.4273)	.2015 (.049,.8242)	.5572 (.1952,1.58)		
I riple-	Agree a lot	27.42(24.09,31.02)	19.08(15.07,23.85)	20.79 (16.64,25.66)		
combinati	Agree a little	44.43(40.97,47.95)	48.66(43.49,53.87)	46.68 (41.88,51.55)		
on arm	Disagree a little	15.81(12.99,19.1)	22.48 (19.5,25.78)	19.83 (16.5,23.64)		
	Disagree a lot	11.49(9.111,14.4)	8.899(6.616,11.87)	10.21 (7.45,13.83)		
	Don't know	.8454(.3498,2.029)	.8778(.4042,1.896)	2.487 (1.243,4.918)		
Delayed	Agree a lot	28.18(24.58,32.07)	19.62(16.33,23.39)	19.38 (16.4,22.76)		
interventio	Agree a little	45.17(39.97,50.49)	48.56 (43.6,53.55)	48.07 (43.09,53.1)		
n/control	Disagree a little	16.44(13.76,19.52)	23.65 (20.7,26.89)	23.36 (20.57,26.4)		
arm	Disagree a lot	9.971(7.548,13.06)	7.612 (5.523,10.4)	7.702 (5.815,10.14)		
	Don't know	.239(.0333,1.696)	.5471(.2484,1.201)	1.487 (.7673,2.863)		
		f435 Mothers	456. Most mothers	470. Most mothers in the		f444 To what
		should allow	allow their	community expect you		extent do you allow
		adolescent girls to	adolescent girls to	to allow your adolescent		adolescent girls to
		decide how much	decide how much	girl on decide how much		decide how much
		education they can	education they can	education she can get.		education she can
D. 11.	A	get	get.	24.27 (20.96.29.05)	E 11	get?
Double-	Agree a lot	36.04(32.24,40.03)	30.85(26.98,35.01)	34.37 (30.86,38.05)	Fully	41.14(36.25,46.21)
combinati	Agree a little	29.77(26.07,33.76)	40.8 (36.33,45.42)	35.99 (31.56,40.68)	Partially	29.84(27.1,32.74)
	Disagree a little	15.76(12.81,19.23)	17.24(14.01,21.04)	19.53 (10.17,23.41)	Slightly	21.53 (17.06,26.78)
	Disagree a lot	17.98(15.13,21.22)	10.89(8.327,14.12)	9.715 (7.115,13.13)	Never	7.42 (5.452,10.02)
m · 1	Don't know	.331(.1332,.8202)	.2244(.0505,.9908)	.3948 (.1489,1.043)	Don't know	.0/15 (.009/,.5237)
Triple-	Agree a lot	42.24(37.15,47.49)	32.1 (26.63,38.12)	31.64 (25.92,37.98)	Fully	45.48 (39.48,51.61)
combinati	Agree a little	31.74(26.95,36.94)	42.08 (38.26,46)	41 (35.94,46.25)	Partially	28.22 (24.89,31.82)
	Disagree a little	11.24(9.627,13.09)	15.3 (11.48,20.1)	15.52 (12.96,18.48)	Slightly	14.55 (10.44,19.92)
	Disagree a lot	12.08(9.765,14.86)	9.95 (7.732,12.72)	9.787 (7.405,12.83)	Never	11.19 (8.753,14.21)
	Don't know	2.701(1.636,4.428)	.5733(.2531,1.293)	1.939 (1.076,3.47)	Don't know	.56 (.2429,1.286)
Delayed	Agree a lot	40.19(36.37,44.12)	34.76 (31.2,38.49)	34.67 (31.04,38.49)	Fully	43.94 (39.27,48.72)
interventio	Agree a little	33.58(27.96,39.69)	40.52(34.68,46.64)	40.12 (34.27,46.27)	Partially	32.48 (27.59,37.77)
n/control	Disagree a little	12.29(9.491,15.77)	15.94(13.41,18.86)	16.14 (13.05,19.8)	Slightly	15.37 (12.45,18.83)
arm	Disagree a lot	12.28(9.735,15.39)	7.845(5.776,10.57)	7.058 (5.339,9.276)	Never	7.894 (6.006,10.31)
	Don't know	1.664(1.086,2.54)	.9358(.4465,1.951)	2.008 (1.142,3.508)	Don't know	.3172 (.0808,1.237)

# 3.3.6.6. Attitude, empirical expectation, normative expectation and behavior of female reference groups on Sexual and reproductive health

### 3.3.6.6.1. Attitude on Sexual and Reproductive health

Majority (71%, 74%% and 74%) of female references in the first, triple-combination arm and delayed intervention/control arms respectively, believed that adolescent girls shouldn't have sex before marriage though they can avoid pregnancy. Female references in the first, triple-combination arm and delayed intervention/control arms reported that the ideal age at which adolescent girls should have their first sexual intercourse were ( $16.69 \pm 0.12$ ), ( $15.98 \pm 0.12$ ) and ( $16.14 \pm 0.13$ ), respectively. While ideal age to start having children was ( $18.57\pm0.14$ ), ( $17.99\pm0.12$ ), & ( $18.10 \pm 0.08$ ) respectively according to the female references. (Table 31)

Majority (80%, 73% and 76%) of female references in the first, triple-combination arm and delayed intervention/control arm said that Female references shouldn't talk to their unmarried adolescent girls about contraceptives, while 72%, 77% and 74% of female references believed contraceptives should be only used by married women. (Table 32)

### 3.3.6.6.2. Empirical expectation on Sexual and Reproductive health

Eight in ten of female references believed most adolescent girls don't engage in sexual intercourse before marriage. Most female references thought adolescent girls in the community started having sexual intercourse at the age of  $(16.41\pm0.13, 15.66\pm0.11 \text{ and } 15.95\pm0.09)$  in the first, triple-combination arm and delayed intervention/control arm respectively. Whereas, female references believed that adolescent girls in the study community start having children at an average age of  $(18.32\pm0.14, 17.62\pm0.12 \text{ and } 17.8\pm0.09)$  in the first, triple-combination arm and delayed intervention/control arm for the first, triple-combination arm and delayed intervention.

Majority (83%, 79% and 72%) of female references in the first, triple-combination arm and delayed intervention/control arms disagreed on the idea that most female references talk to their married adolescent girls about contraceptives, while 7 in 10 of female references believed that most female references believed that adolescent girls contraceptive methods should only be used by married women. (Table 32)

### 3.3.6.6.3. Normative expectation on Sexual and Reproductive health

Eight in ten female references across all arms believed that community members think Adolescent girls have sexual intercourse before getting married.

Female references expected adolescent girls debut age for sexual intercourse was on average  $16.69\pm0.13$  (95% CI. 16.43, 16.97),  $16.11\pm0.12$  (95% CI. 15.88, 16.34) and  $16.23\pm0.08$  (95% CI. 16.06, 16.39) in the first, triple-combination arm and delayed intervention/control arms, respectively. Female references expect their adolescent girls to start having children at mean ( $\pm$ SE) age of  $18.66\pm0.15$  (18.34, 18.97),  $18.00\pm0.13$  (17.73, 18.28) and  $18.10\pm0.08$  (17.94, 18.28) age along the respective arms. (Table 31)

Eight in ten of the respondents across all arms thought other female references expect them to talk to their unmarried adolescent girls about contraceptives. Majority (66%, 71% and 70%) of respondents thought that other female references expected them to believe contraceptive methods should only be used by married women.

### 3.3.6.6.4. Behavior on Sexual and Reproductive health

Among the respondents who responded, majority (92%, 85% and 88%) of female references in the first, triple-combination arm and delayed intervention/control arms said they are unlikely to accept their adolescent girls if she gets pregnant before marriage. Average age of sexual intercourse debut of the adolescent girls was  $14.55\pm0.16$  (95% CI. 14.25, 14.87),  $14.41\pm0.09$  (95% CI. 14.22, 14.61) and  $14.93\pm0.13$  (95% CI. 14.67, 15.18) in the first, triple-combination arm and delayed intervention/control arms. Adolescent girls' age for giving birth to a child was  $15.46\pm0.17$  (15.12, 15.80),  $15.57\pm0.14$  (15.29, 15.84) and  $16.05\pm0.10$  (15.85, 16.25) for each Arm.

Eight in ten of female references across all arms reported that they never talk to their unmarried adolescent girls about contraceptives. Two in ten of In-laws of adolescent girls across all arms reported that they often talk to their daughter-in-law/sister-in-law about using contraceptives. (Table 32)

### Table 31: Premarital pregnancy, age at pregnancy and birth social norm matrix of female references, August 2016

Arm	Response	Attitude	Empirical	Normative	Behavior	
	•		expectation	expectation		
		Adolescent girls should not have sex before marriage though they can avoid	Most adolescent girls have sex before marriage	Community members think adolescent girls have sex before marriage	Response	
		pregnancy.	0/ (050/ CD	0/ (050/ CD		0/ (050/ GD
5 11		% (95% CI)	% (95% CI)	% (95% CI)		% (95% CI)
Double-	Agree a lot	63.53(58.55,68.24)	2.976(1.592,5.496)	3.972 (2.614,5.99)		
combination ann	Agree a little	7.972 (6.12,10.33)	6.001 (4.33,8.25)	7.241 (5.31,9.81)		
	Disagree a little	5.796 (4.07,8.198)	16.2 (13.23,19.68)	15.96 (12.56,20.08)		
	Disagree a lot	22.26(18.52,26.51)	67.49(64.05,70.76)	70.3 (65.66,74.57)		
	Don't know	.44 (.12,1.57)	7.275 (4.82,10.84)	2.52 (1.54,4.11)		
Triple-combination	Agree a lot	65.7 (60.21,70.79)	2.707 (1.66,4.397)	5.418 (3.739,7.79)		
arm	Agree a little	8.533 (6.05,11.91)	7.786 (6.08,9.924)	8.44 (6.24,11.33)		
	Disagree a little	4.565 (2.98,6.93)	18.06(14.38,22.44)	14.85 (11.6,18.81)		
	Disagree a lot	20.17(16.97,23.81)	64.05(58.91,68.88)	67.74 (62.85,72.27)		
	Don't know	1.03 (.4916,2.147)	7.395 (5.38,10.08)	3.55 (2.35,5.345)		
Delayed	Agree a lot	69.75(65.31,73.84)	3.292 (2.33,4.632)	3.886 (2.75,5.47)		
intervention/control	Agree a little	4.546 (3.36,6.122)	7.287 (5.65,9.35)	7.62 (5.69,10.12)		
arm	Disagree a little	4.95 (3.66,6.65)	11.29 (8.59,14.68)	13.49 (11.13,16.26)		
	Disagree a lot	18.89 (15.81,22.4)	67.94(63.07,72.45)	72.09 (67.82,76)		
	Don't know	1.668(.92,3.02)	9.786 (7.04,13.45)	2.482 (1.55,3.95)		
		What should be the ideal age for girls to have their first sexual intercourse?	At what age do most adolescent girls have their first sexual intercourse?	What is the age mothers expect adolescent girls to start having sex?		
Double-	Mean+SE	16.69 <u>+</u> 0.12	16.41 <u>+</u> 0.13	16.69 <u>+</u> 0.13		
combination arm		(16.44, 16.95)	(16.15, 16.67)	(16.43, 16.97)		
Triple-combination arm	Mean+SE	15.98 <u>+</u> 0.12 (15.741, 16.213	15.66 <u>+</u> 0.11 (15.43, 15.89)	16.11 <u>+</u> 0.12 (15.88, 16.34)		
Delayed intervention/control arm	Mean+SE	16.14 <u>+</u> 0.13 (15.956, 16.326)	15.95 <u>+</u> 0.09 (15.76, 16.14)	16.23 <u>+</u> 0.08 (16.06,16.39)		
		What should be the ideal age at which adolescent girls to start having children?	How old are most girls in this community when they start having children?	At what age do mothers expect adolescent girls to start having children?		
Double- combination arm	Mean+SE	18.57 <u>+</u> 0.14 (18.29, 18.84)	18.32 <u>+</u> 0.14 (18.04, 18.60)	18.66 <u>+</u> 0.15 (18.34, 18.97)		
Triple-combination arm	Mean+SE	17.99 <u>+</u> 0.12 (17.76, 18.23)	17.62 <u>+</u> 0.12 (17.38, 17.86)	18.00 <u>+</u> 0.13 (17.73, 18.28)		
Delayed intervention/control arm	Mean+SE	18.10 <u>+</u> 0.08 (17.94, 18.26)	17.87624 <u>+</u> 0.09 (17.69, 18.06)	18.10 <u>+</u> 0.08 (17.94, 18.28)		

Arm	Response	Attitude	Empirical	Normative	Behavior	
			expectation	expectation		n
		Mothers should	Most	Other		How often do you talk
		unmarried	talk to unmarried	expect you to talk		to your unmarried
		adolescent girls	adolescent	to your unmarried		about contraceptives?
		about	girls/sisters about	adolescent girl		-
		contraceptives	contraceptives	about		
		% (95% CT)	% (95% CT)	% (95% CI)		% (95% CI)
Double-	Agree a lot	3.39 (2.27,5.03)	1.77 (.97,3.21)	2.21(1.29,3.74)	Often	1.53(.85,2.73)
combination arm	Agree a little	7.545(5.81,9.745)	4.36(3.01,6.27)	5.27 (3.63,7.61)	Sometimes	9.84 (7.96,12.11)
	Disagree a little	14.1 (11.22,17.56)	13.87(10.99,17.37)	13.87(11.05,17.27)	Rarely	8.865(6.94,11.26)
	Disagree a lot	66.56(61.65,71.13)	70.29(65.67,74.53)	70.29(65.96,74.28)	Never	79.38(76.04,82.36)
	Don't know	8.24 (5.34,12.5)	9.531(6.47,13.82)	8.36(5.493,12.52)	Don't know	.3916(.0795,1.906)
Triple-combination	Agree a lot	8.326(6.498,10.61)	2.924(1.86,4.559)	2.88(1.97,4.18)	Often	2.104 (1.27,3.48)
arm	Agree a little	11.4(9.36,13.81)	9.56 (6.56,13.72)	9.104(6.15,13.28)	Sometimes	9.411(6.421,13.59)
	Disagree a little	13.2 (9.291,18.42)	13.78(9.55,19.48)	15.25(10.49,21.65)	Rarely	6.008(4.197,8.53)
	Disagree a lot	60.13(54.31,65.67)	65.34(57.99,72.03)	66.72(58.9,73.71)	Never	80.84(75.42,85.3)
	Don't know	6.65(4.92,8.922)	7.876(6.11,10.1)	5.901 (4.33,7.99)	Don't know	1.638 (.79,3.33)
Delayed	Agree a lot	7.127(5.61,9.023)	3.01(2.01,4.50)	2.69(1.63,4.41)	Often	1.737 (.96,3.11)
intervention/control arm	Agree a little	9.88(7.58,12.79)	7.204(5.21,9.88)	7.94(5.71,10.93)	Sometimes	9.371(6.84,12.7)
	Disagree a little	12.96(9.96,16.69)	10.76 (8.51,13.51)	14.52(11.42,18.29)	Rarely	5.222(3.741,7.244)
	Disagree a lot	64.85(59.11,70.2)	71.63(66.22,76.47)	69.44(63.2,75.03)	Never	81.55(77.5,85.01)
	Don't know	4.78(3.544,6.42)	6.285(4.58,8.57)	4.598(3.23,6.51)	Don't know	1.66(.99,2.742)
		Contraceptives	Most mothers	Most mothers		How often do you
		should only be	believe that	expect you to		demand your
		women	methods should be	contraceptive		in-law/sister-in-law to
			used only by	methods should be		start using
			married women	used only by		contraceptives
		0/ (050/ CI)	0/ (050/ CI)	married women		0/ (050/ CD
Double-	Agree a lot	57 12 (50 8 63.21)	% (95% C1) 52 96(46 78 59 05)	% (95% CI) 50 11(43 98 56 25)	Often	% (95% CI) 19 52(9 505 35 9)
combination arm	Agree a little	15 7 (13 /3 18 28)	15 06(12 56 17 95)	16 22 (12 /9 19 4)	Cometimes	19.52(9.505,55.5)
	Disagree a	6 36 (1 19 8 914)	0 52 (7 63 11 83)	0.23(13.49,19.4) 0.53(7.47,12,09)	Darely	21.01(11.75,50.07)
	little	0.30 (4.45,0.714)	9.52 (7.05,11.05)	9.33 (1.47,12.07)	Kalely	50.25(19.35,+5.07)
	Disagree a lot	16.69(12.89,21.35)	18.89(14.94,23.61)	20.25 (16.42,24.7)	Never	24.11(13.4,39.46)
	Don't know	3.95 (2.364,6.535)	3.52 (1.99,6.14)	3.60 (2.27,5.68)	Don't know	4.309(1.019,16.46)
Triple-combination	Agree a lot	67.09(61.85,71.94)	57.61(50.71,64.22)	55.21(48.79,61.47)	Often	24.57(15.69,36.29)
arm	Agree a little	10.88 (8.68,13.55)	14.18(11.21,17.78)	16.19(12.9,20.14)	Sometimes	20.95(15.14,28.25)
	Disagree a little	5.951 (4.51,7.81)	8.99 (6.75,11.88)	9.26(6.652,12.75)	Rarely	22.57(15.34,31.91)
	Disagree a lot	11.62 (9.01,14.87)	14.16(10.97,18.08)	14.18(11.15,17.87)	Never	25.31(18.12,34.15)
	Don't know	4.02 (2.62,6.121)	4.9 (3.18,7.492)	5.03(3.403,7.375)	Don't know	3.515(1.513,7.951)
Delayed	Agree a lot	64.77(57.59,71.34)	61.47 (53.92,68.5)	57.97(51.56,64.12)	Often	19.05(10.32,32.51)
arm	Agree a little	10.48(8.461,12.91)	12.24 (9.85,15.12)	13.35(10.92,16.21)	Sometimes	25.59(16.95,36.69)
	Disagree a little	7.01 (4.97,9.78)	6.23(4.56,8.439)	7.572(5.59,10.18)	Rarely	15.23(8.932,24.76)
	Disagree a lot	13.37(10.55,16.81)	14.04(11.13,17.56)	16.61(14.07,19.49)	Never	32.3(23.12,43.07)
	Don't know	3.76 (2.59, 5.401)	5.125 (3.66,7.13)	4.067(2.636,6.224)	Don't know	5.711(2.179,14.14)

### Table 32: Contraceptive use and consultation social norm matrix of female references, August 2016

# 3.3.6.7. Attitude, empirical expectation, normative expectation and behavior of female reference groups on Nutrition and food allocation

3.3.6.7.1. Attitude on Nutrition and food allocation

According to the study, two third of female references in the first and delayed intervention/control arms and three fifth of female references in the triple-combination arm believed that adolescent girls and boys should had the same amount of food. Four fifth of female references in the first and triple-combination arms and three fourth of female references in the delayed intervention/control arm thought that adolescent girls and boys of the same age living with their parents should ate the same time. (Table 34) Also, slightly more than 9 in 10 female references across all arms agreed that adolescent girls and boys should have the same type of food. (Table 34)

Regarding eating order in the family, 79% of female references in the double-combination arm, 84% in the triple-combination arm and 84% in delayed intervention/control arm disagreed on the idea of adolescent girls eating first before everybody in the family eats. In the same tone, 7 out of 10 female references agreed on the idea of adolescent girls eating after everybody in the family eats. (Table 36)

### 3.3.6.7.2. Empirical expectation on Nutrition and food allocation

Two third of female references across the arms believed that most female references let adolescent girls in the community have the same amount of food as their male siblings or husbands. Seven in ten female references across all arms agreed that most female references let adolescent girls eat at the same time as boys of the same age living with their parents. Similarly, 9 in 10 female references across all arms believed most female references let adolescent girls in the community have the same quality of food as their male siblings or husbands. (Table 34)

#### 3.3.6.7.3. Normative expectation on Nutrition and food allocation

Two third of female references across all arms believed that Community members expect them to let their adolescent girls to eat the same amount of food as their male siblings or husbands. Majority (71.98%, 76.5% and 72.92%) of female references thought that community members expect them to let adolescent girls to eat at the same time as their brothers. (Table 33)

Eight in ten female references across all arms reported that Community members expect them to let adolescent girls to have the same quality of food as everybody in the family.

Most female references (75.62%, 77.06% and 77.67%) in the first, triple-combination arm and delayed intervention/control arms, respectively disagreed that community members expect them to let their adolescent girls to eat before everybody in the family eats. Conversely, 76%, 68.07% and 68.43% of female references in the first, triple-combination arm and delayed intervention/control arms, respectively asserted that community members expect them to let their adolescent girls eat after everybody in the family eats. (Table 36)

### 3.3.6.7.4. Behavior on Nutrition and food allocation

One third of female references across all arms often let their adolescent girls eat the same amount of food as their brothers/others adolescent boys of the same age/Husband in the household. According to the study, 32.38%, 37.15% and 33.15% of female references often let their adolescent girls had their meals at the same time as their brothers/others adolescent boys of the same age living in the household.

Six in ten of female references across all arms often let their adolescent girls eat the same type of food as their brothers/others adolescent boys in the household often or sometimes. (Table 34) Majority (66.94%, 62.22% and 60.51%) of female references reported that adult men eat first in the family, while 7 in 10 of female references reporting that adult women and girls eating last after everybody in the family has eaten.

Arm	Response	Attitude	Empirical expectation	Normative expectation	Behavior	
		Adolescent girls and boys of the same age should have the same amount of food.	Most mothers/sisters/in- laws let adolescent girls in the community have the same amount of food as their male siblings or husbands	Community members expect you to let your adolescent girl the household eat the same amount of food as their male siblings or husbands.	Response	How often do you let your adolescent girl eat the same amount of food as boys of the same age?
		% (95% CI)	% (95% CI)	% (95% CI)		% (95% CI)
Double-	Agree a lot	42.66 (37.76,47.71)	32.06 (27.63,36.85)	31.71 (27.85,35.83)	Often	31.95 (27.72,36.51)
combination arm	Agree a little	24.58 (20.26,29.47)	37.29 (32.89,41.92)	34.85 (30.82,39.11)	Sometimes	34.56 (30.77,38.56)
	Disagree a little	14.4 (12.25,16.85)	13.85 (10.66,17.8)	15.99 (12.98,19.55)	Rarely	17.8 (15.08,20.9)
	Disagree a lot	18.23 (14.38,22.85)	16.73 (13.01,21.26)	17.45 (13.57,22.15)	Never	15.69 (12.04,20.18)
	Don't know	.1279 (.018,.9033)	.0638 (.0086,.4696)	0	Don't know	0
Triple-combination	Agree a lot	39.79 (34.27,45.59)	29.72 (24.28,35.81)	31.65 (26.58,37.21)	Often	33.29(28.14,38.87)
arm	Agree a little	22.77 (18.67,27.46)	37.47 (30.89,44.55)	36.68 (31.23,42.5)	Sometimes	34.11(29.55,38.98)
	Disagree a little	19.25 (15.39,23.8)	16.33 (11.85,22.09)	15.48 (11.89,19.92)	Rarely	17.11(13.87,20.92)
	Disagree a lot	18.09 (13.83,23.32)	15.67 (10.7,22.37)	14.25 (10.09,19.76)	Never	15.31(11.33,20.35)
	Don't know	.09 (.01,.69)	.8007 (.2534,2.501)	1.928 (.9659,3.812)	Don't know	.07(.01,.5074)
Delayed	Agree a lot	43.44 (39.24,47.73)	33 (28.17,38.21)	31.94 (27.41,36.84)	Often	34.17(30.51,38.02)
intervention/control	Agree a little	20.79 (17.58,24.42)	33.32 (29.85,36.98)	34.85 (31.19,38.7)	Sometimes	32.49(29.65,35.47)
arm	Disagree a little	16.6 (14.56,18.87)	17.86 (14.83,21.36)	16.31 (13.5,19.56)	Rarely	18.99(15.64,22.87)
	Disagree a lot	18.7 (15.08,22.95)	15.19 (12.03,19)	15.95 (12.24,20.52)	Never	14.13(10.73,18.38)
	Don't know	.47 (.1407,1.558)	.6314 (.2581,1.536)	.8149 (.3849,1.717)	Don't know	.22(.05,.91)
		Adolescent girls and boys of the same age living with their parents should eat at the same time	Most mothers/sisters/mother- in-law/sister-in-law let adolescent girls eat at the same time as boys of the same age	Community members expect you to let your adolescent girl eat at the same time as boys of the same age living with their parents		612 How often do you let your adolescent girl eat food at the same time as boys of the same age living with their parents?
Double-	Agree a lot	43.02 (39.91,46.19)	31.07 (27.87,34.46)	32.23(29.16,35.47)	Often	32.38(28.46,36.56)
combination arm	Agree a little	34.96 (31.47,38.62)	42.03 (37.26,46.95)	39.75 (35.39,44.29	Sometimes	33.99(29.66,38.6)
	Disagree a little	12.65 (10.18,15.62)	15.43 (12.51,18.89)	15.93 (12.8,19.65)	Rarely	21.45(18.62,24.58)
	Disagree a lot	9.37 (7.025,12.39)	11.47 (8.425,15.42)	12.09 (9.391,15.43)	Never	12.18(9.498,15.5)
	Don't know	0	0	0	Don't know	0
Triple-combination	Agree a lot	49.13 (43.99,54.28)	34.37 (28.83,40.38)	36.27(31.42,41.41)	Often	37.15(31.97,42.64)
arm	Agree a little	30.82 (26.41,35.61)	39.03 (33.89,44.43)	40.23 (35.25,45.43)	Sometimes	35.53(31.76,39.48)
	Disagree a little	11.09 (8.925,13.7)	16.06 (11.89,21.35)	12.72 (9.806,16.34)	Rarely	18.22(14.16,23.14)
	Disagree a lot Don't know	8.891 (6.439,12.16) .0688 (.0093,.5074)	9.686 (6.948,13.35) .8454 (.2068,3.389)	8.868 (6.069,12.78) 1.916 (.8312,4.355)	Never Don't know	8.911(6.06,12.92) .1911(.0454,.8007)
Delayed	Agree a lot	46.87 (43.11,50.67)	32.83 (28.52,37.46)	31.37(27.16,35.92)	Often	33.15(29.16,37.39)
intervention/control	Agree a little	28.04 (25.51,30.72)	39.18 (35.96,42.5)	41.55(38.07,45.11)	Sometimes	35.69(32.43,39.09)
arm	Disagree a little	13.89 (12.24,15.73)	15.82 (13.2,18.84)	14.41(11.76,17.54)	Rarely	19.35(16.33,22.78)
	Disagree a lot	11.07 (8.16,14.86)	11.78 (8.199,16.63)	11.79(8.523, 16.09)	Never	11.73(8.829, 15.43)
	Don't know	.1203 (.0164,.8783)	.3945 (.1206,1.283)	.7394(.3276,1.66)	Don't know	.078(.0106,.5732)

### Table 33: Food allocation and consumption social norm matrix of female references, August 2016

Arm	Response	Attitude	Empirical expectation	Normative expectation	Behavior	
		603. Adolescent girls and boys in the same household should eat the same type of food	623 Most mothers/sisters/mother- in-law/sister-in-law let adolescent girls in the community have the same quality of food as their male siblings or husbands	634 Community members expect you to let adolescent girl in the household have the same quality of food as everybody in the family		613 How often do you let your adolescent girl/sister/daughter- in-law/sister-in-law eat the same type of food as boys in the same household?
		% (95% CI)	% (95% CI)	% (95% CI)		% (95% CI)
Double-	Agree a lot	68.4 (64.28,72.25)	51.69 (47.36,55.99)	44.44 (39.09,49.93)	Often	58.58(53.37,63.61)
combination arm	Agree a little	26.52 (23.34,29.96)	37.74 (34.03,41.6)	36 (31.58,40.67)	Sometimes	27.25(24.02,30.74)
	Disagree a little	3.498 (2.401,5.071)	7.381 (5.447,9.928)	11.52 (9.06,14.55)	Rarely	12.74(10.08,15.96)
	Disagree a lot	1.588 (.988,2.544)	3.098 (1.806,5.263)	7.955(5.628,11.13)	Never	1.311(.8238,2.08)
	Don't know	0	.0913 (.0126,.6604)	.0776 (.0106,.5664)	Don't know	.123(.0172,.8714)
Triple-combination	Agree a lot	74.3 (67.85,79.84)	52.82 (46.4,59.14)	45.44 (39.61,51.4)	Often	64.88(59.06,70.3)
arm	Agree a little	20.61 (16.46,25.49)	34.78 (29.66,40.27)	34.51 (28.66,40.87)	Sometimes	22.41(19.18,26.01)
	Disagree a little	3.185 (1.757,5.706)	7.555 (5.42,10.44)	12.27 (9.907,15.1)	Rarely	10.59(7.583,14.6)
	Disagree a lot	1.907 (1.139,3.177)	3.618 (2.403,5.415)	6.347 (4.156,9.577)	Never	2.116(1.299,3.429)
	Don't know	0	1.232 (.3418,4.337)	1.394 (.5753,3.34)	Don't know	0
Delayed	Agree a lot	75.99 (72.06,79.52)	57.36 (52.8,61.8)	48.11 (43.99,52.25)	Often	64.45(59.4,69.18)
intervention/control	Agree a little	18.3 (15.31,21.73)	31.96 (28.28,35.88)	35.68 (31.72,39.84)	Sometimes	23.57(20.73,26.66)
arm	Disagree a little	3.609 (2.546,5.092)	7.123 (4.985,10.08)	9.518 (6.922,12.95)	Rarely	10.31(7.697,13.68)
	Disagree a lot	1.98 (1.189,3.28)	3.137 (2.135, 4.586)	5.736 (4.145,7.888)	Never	1.598(.9145,2.778)
	Don't know	.1203 (.0164,.8783)	.4193 (.1335,1.309)	.8185 (.3618,1.841)	Don't know	.078(.0106,.5732)

### Table 34: Food allocation on quality/type social norm matrix of female references, August 2016

Arm	Response	Attitude	Empirical	Normative	Behavior
			expectation	expectation	
		609. Adolescent		640 Community	619. When meals
		girls should eat first		members expect you	are served in your
		before everybody		to let your adolescent	household, who
		in the family eats.		girl to eat before	usually eats first?
				everybody in the	
				family.	
		% (95% CI)		% (95% CI)	% (95% CI)
Double-	Agree a lot	5.194 (3.593,7.454)		5.688 (3.856,8.317)	Adult men 66.94(61.46,72)
combination arm	Agree a little	15.04 (12.24,18.34)		18.62 (14.96,22.95)	Adult .61(.28, 1.32) women
	Disagree a	29.63 (25.54,34.07)		29.41 (25.76,33.36)	Male .37(.14,.97)
	little				adolescents
	Disagree a lot	49.93 (45.09,54.77)		46.21 (41.21,51.3)	Adult men7.17(4.769,10.65)
	-				& boys
	Don't know	.2164 (.0541,.8605)		.0597 (.0081,.4409)	Adult men 2.297(1.319,3.969)
					& women
					Everyone 20.3(16.17,25.17)
					eats
					together
					Other .84(.27,2.59)
Triple-combination	Agree a lot	3.915 (2.608,5.838)		5.045 (3.517,7.189)	Adult men 62.22(57.59,66.64)
arm	Agree a little	11.09 (8.458,14.42)		15.91 (12.47,20.08)	Adult 1.037(.4711,2.266)
	0				women
	Disagree a	24.22 (20.12,28.84)		22.76 (19.14,26.85)	Male 1.6(.9484,2.686)
	little				adolescents
	Disagree a lot	60.55 (53.26,67.39)		54.3 (47.69,60.76)	Adult men9.162(6.171,13.4)
	-				& boys
	Don't know	.2284 (.0545,.9517)		1.891 (.6945,5.046)	Adult men4.358(2.169,8.563)
					& women
					Everyone 16.76(13.3,20.91)
					eats
					together
					Other 2.759(1.584,4.764)
Delayed	Agree a lot	5.574(4.022,7.677)		6.644 (4.491,9.726)	Adult men 60.51(56.69,64.19)
intervention/control	Agree a little	10.23 (8.409,12.39)		15.16 (12.16,18.74)	Adult 1.545(.5786,4.06)
arm					women
	Disagree a	21.93 (19.45,24.62)		22.16 (19.24,25.4)	Male 1.122(.6262,2.004)
	little				adolescents
	Disagree a lot	62.27 (58.15,66.21)		55.51 (50.32,60.59)	Adult men 10.75(8.722,13.19)
					& boys
	Don't know	0		.5216 (.1952,1.386)	Adult men2.146(1.375,3.334)
					& women
					Everyone 19.81(16.84,23.16)
					eats
					together
					Other 1.759(1.137,2.714)

### Table 35: Food allocation and eating order social norm matrix of female references, August 2016

Table 36: Attitude, behavior, empirical and normative expectation of female references on Adolescents girl Food allocation and eating order social norm matrix 2 of, August 2016

Arm	Response	Attitude	Empirical expectation	Normative expectation	Behavior
		Double- combination arm	Double-combination arm	Double-combination arm	Double- Double- combination combination arm arm
		% (95% CI)		% (95% CI)	% (95% CI)
Double-	Agree a lot	42.31 (36.93,47.89)		40.65 (35.5,46.01)	Adult men .566(.2221,1.435)
combination arm	Agree a little	30.25 (26.88,33.84)		35.35 (31.78,39.09)	Adult 28.24(23.94,32.98) women
	Disagree a little	16.09 (13.48,19.08)		13.75 (11.16,16.83)	Female 13.91(9.474,19.97) adolescents
	Disagree a lot	11.29 (8.844,14.3)		10.25 (8.052,12.96)	Adult 30.6(24.93,36.93) women & girls
	Don't know	.0617 (.0083,.455)		0	Everyone 22.36(18.36,26.94) eats together
Triple-combination	Agree a lot	44.65 (37.95,51.55)		37.77 (31.41,44.58)	Adult men .5919(.2529,1.379)
arm	Agree a little	26.97 (22.66,31.77)		30.3 (26.65,34.21)	Adult 23.36(18.29,29.32) women
	Disagree a little	14.75 (11.77,18.32)		15.59 (12.2,19.71)	Female 24.22(18.88,30.49) adolescents
	Disagree a lot	13.14 (9.434,18.02)		14.75 (10.97,19.55)	Adult 23.29(19.47,27.6) women & girls
	Don't know	.4144 (.1369,1.247)		1.499 (.5746,3.851)	Everyone 17.53(14.2,21.46) eats together
Delayed	Agree a lot	46.66 (41.94,51.45)		39.81 (35.07,44.75)	Adult men 1.756(.9689,3.162)
intervention/control arm	Agree a little	25.62 (22.26,29.29)		27.62 (24.45,31.04)	Adult 23.32(19.71,27.38) women
	Disagree a little	13.79 (11.14,16.93)		16.97 (14.24,20.11)	Female 24.46(20,29.56) adolescents
	Disagree a lot	13.87 (11.31,16.9)		14.84 (12.49,17.53)	Adult 22.59(19.17,26.42) women & girls
	Don't know	0		.7578 (.3201,1.784)	Everyone 20.69(17.56,24.22) eats together

#### 3.3.7. Male Reference groups

#### 3.3.7.1. Socio-demographic characteristics of male reference groups

A total of 3241 male references (fathers, brothers, husbands, fathers-in-law and brothers-in-laws) participated in the study with 98.7%, 94.9% and 90.7% response rate in the Double-combination arm, triple-combination arm and delayed intervention/control arms, respectively. The average age of the male references was with a mean age ( $\pm$ SD) of 44.08 $\pm$ 12.82, 42.95 $\pm$ 14.16 and 43.16 $\pm$ 14.24 in the Double-combination arm, triple-combination arm and delayed intervention/control arms and delayed intervention/control arms, respectively.

More than Nine in ten of male references across all arms were either married or living together with a partner. Recalled age at first marriage  $22.10\pm4.39$ ,  $21.62\pm5.09$  and  $23.29\pm7.69$  in the first, triple-combination arm and delayed intervention/control arms, respectively. The majority of male references (96.51%, 95.51% and 95.45%) in the Double-combination arm, triple-combination arm and delayed intervention/control arms, respectively were Farmers or were doing farm work.

Majority (59.75%, 73.03% and 70.69) of male references in the first, triple-combination arm and delayed intervention/control arms had a source of income, while Sex in ten male references across all arms reported having joint decision making with their wives on income generated in the household. Farming was the universal (98.84%, 97.66% and 97.52%) source of income for households in the Double-combination arm, triple-combination arm and delayed intervention/control arms, respectively.

Majority of the respondents were Muslim (86.67%, 83.8% and 94.59%) and Oromo (96.51%, 95.6% and 97.92%) in the Double-combination arm, triple-combination arm and delayed intervention/control arms, respectively.

### Table 37: Background information of male reference group distributed by program area

		Double-combination arm	Triple-combination arm	Delayed intervention/control arm
Characteristics		n (%)	n (%)	n (%)
No of male references visi	ted	1140	1140	1140
No of male references resp	oonded	1118 (98.07)	1068 (93.68)	1010 (88.60)
		n=1118	n=1068	n=1010
Average Age of male Refe Mean (±SD)	erences	44.08 <u>+</u> 12.84	42.95 <u>+</u> 14.16	43.16 <u>+</u> 14.24
Marital Status	Married/Living together	1033 92.4)	1008(94.38)	934(92.48)
	Never married	73(6.53)	49(4.59)	56(5.54)
	Married, more than one spouse	4(0.36)	3(0.28)	11(1.09)
Age at first marriage (Average mean <u>+</u> SD)		22.10 <u>+</u> 4.39	21.62+5.09	23.29+7.69
Occupation	Farmer or farm work	1079 (96.51)	1020(95.51)	964(95.45)
	Business	6(0.54)	12(1.12)	10(0.99)
	Household work	14(1.25)	9(0.84)	12(1.19)
Do you have a source of	Yes	668(59.75)	780(73.03)	714(70.69)
income?	No	450(40.25)	288(26.97)	296(29.31)
Who mainly decides on	Myself	203(30.39)	287(36.79)	259(36.27)
the use of the income	Husband	15(2.25)	10(1.28)	10(1.4)
you generated?	Jointly	435(65.12)	469(60.13)	432(60.5)
	Other (Respondent's parents)	12(1.8)	10(1.28)	5(0.7)
Who mainly makes	Myself	258(23.08)	292(27.345)	299(29.6)
decision over household	Husband	24(2.15)	22(2.06)	20(1.98)
mances?	Jointly	788(70.48)	707(66.2)	644(63.76)
	Other (Respondent's parents)	34(3.04)	29(2.72)	31(3.07)
Religion	Muslim	969(86.67)	895(83.8)	959(94.59)
	Orthodox Christians	140(12.52)	135(12.64)	51(5.05)
	Protestant	6(0.54)	2(0.19)	0
	Catholic	0	35(3.28)	0
Ethnicity	Oromo	1079(96.51)	1021(95.6)	989(97.92)
	Amhara	39(3.49)	46(4.31)	21(2.08)
What is the main source	Farming	1105(98.84)	1043(97.66)	985(97.52)
of income for the	Trade	4(0.36)	10(0.94)	13(1.29)
nousenoiu :	Employment	3(0.27)	10(0.94)	4(0.4)

### 3.3.7.2. Education and school attendance

According to the male references who responded to the survey, 47.65%, 50.98% and 44.55% in the Double-combination arm, triple-combination arm and delayed intervention/control arms reported that they could read and write, respectively. When tested with a reading card, 58.91%, 62.24% and 52.86% in the Double-combination arm, triple-combination arm and delayed intervention/control arms could read a whole sentence, respectively. Half of male references in the first and triple-combination arms reported ever attending school, while in the delayed intervention/control arm, the figure was around 41.91%.

		Double-combination arm	Triple-combination arm	Delayed intervention/control arm
Indicators		% (95%CI)	% (95%CI)	% (95%CI)
Can you read &	yes	47.65 [43.58,51.76]	50.98 [46.31,55.62]	44.55 [40.15,49.04]
write?	No	52.35 [48.24,56.42]	49.02 [44.38,53.69]	55.45 [50.96,59.85]
Read the	Cannot read at all	3.119 [1.904,5.07]	2.875 [1.871,4.391]	3.439 [1.892,6.171]
sentence shown in the card	Able to read only parts of sentence	37.98 [32.38,43.91]	34.89 [29.55,40.63]	43.7 [38.45,49.1]
	Able to read whole sentence	58.91 [53.42,64.18]	62.24 [56.3,67.83]	52.86 [47.55,58.11]
Have you ever	yes	49.32 [44.64,54.02]	50.03 [44.41,55.65]	41.91 [37.95,45.98]
attended school?	Never	50.68 [45.98,55.36]	49.97 [44.35,55.59]	58.09 [54.02,62.05]

Table 38: Education and School Attendance Indicators of male references, August 2016

3.3.7.3. Male (fathers/brothers/husbands/father in laws/brother in laws) reference group Attitude, Empirical Expectation, Behavior and Normative Expectation on Education

#### 3.3.7.3.1. Attitude of Male reference group on Adolescent girls Education

Around three fourth of male references (70.35%, 70.84%, and 68.28%) in the first, triplecombination arm and delayed intervention/control arm agreed a lot on that they should give adolescent girls the same opportunities as boys in education. Plus they thing that, ideally adolescent girls get education until average grade  $11.43\pm0.13$  in the double-combination arm,  $11.00\pm0.22$  in the triple-combination arm, and  $10.66\pm0.13$  in the delayed intervention/control arm. In the same way, Male reference groups (6.58%, 10.67%, and 11.67%) in the first, combine and delayed intervention/control arm respectively agreed a lot on adolescent girls should help in the household chores than going to school compared to boys.

## 3.3.7.3.2. Empirical Expectation of Male reference group on Adolescent girls Education

Forty percent (40.62%) of male reference group in the first, (44.25%) triple-combination arm and (36.37%) delayed intervention/control arm believe that most fathers in their community give adolescent girls the same opportunity as adolescent boys in education. Similarly, most male references think that most mothers let adolescent girls to attend school until average grade 10.42+0.19 (10.04, 10.79), 9.66+0.27 (9.13, 10.19), 9.62+0.16 (9.3, 9.93) in the first, triple-combination arm and delayed intervention/control arm respectively.

One in ten male reference groups in all Arms think that other male references take their adolescent girls out of school to make them do household chores (10.87%, 18.43%, and 18.79%).

# 3.3.7.3.3. Normative Expectation of Male reference group on Adolescent girls Education

Community members expect male references to give adolescent girls the same opportunity as adolescent boys in education (36.43%, 21.57 %, and 28.72%) in the first, combine and delayed intervention/control arm respectively. Whereas, Community members expect mothers to send their adolescent girls to average grade school  $10.33\pm0.19$ ,  $9.68\pm0.28$  and  $9.57\pm0.16$  in the first, combine and delayed intervention/control arm respectively.

Male reference group (7.11%) in the first, (16.35%) in the triple-combination arm and (18.68%) delayed intervention/control arm Agreed a lot on that Community members expect them to take their adolescent girls out of school to make them do household chores.

### 3.3.7.3.4. Behavior of Male reference group on Adolescent girls Education

Most of male reference group (85.39%) in the first, (86.28%) in the triple-combination arm and (79.85%) in the delayed intervention/control arm give their Adolescent girl the same opportunity in education as boys. Most reference group really think their adolescent girl will complete average school grades  $12.21\pm0.11$ ,  $11.80\pm0.19$  and  $11.49\pm0.14$  in the first, combine and delayed intervention/control arm respectively at the time of interview. Three out of ten male references said they never make their adolescent girl get absent from school to do household chores when compared to other adolescent boys (39.37%, 37.95%, and 31.9%) in the first, combine and delayed intervention/control arm, respectively.

Table 39: attitude, behavior, empirical and normative expectation of male references on Adolescents Education and school attendance, August 2016

Arm	Response	Attitude	Empirical expectation	Normative expectation	Behavior	
	•	m250	m271Most fathers give	f279 Community	Response	260. Do you give your
		Fathers/brothers/husbands/	adolescent girls the	members expect	Î.	Adolescent girl the
		father-in-law/ brother-in-	same opportunity as	fathers/brothers/husbands		same opportunity in
		law should give	adolescent boys in	/father in laws/brother in		education as boys?
		adolescent girls the same	education	laws to give adolescent		
		opportunities as boys in		girls the same		
		education		opportunity as adolescent		
		0/ (050/ CI)	0/ (050/ CI)	boys in education	<u> </u>	0/ (050/ <b>CI</b> )
		% (95% CI)	% (95% CI)	% (95% CI)		% (95% CI)
Double-	Agree a lot	70.35 (63.83,76.14)	40.62 (35.1,46.38)	36.43 (25.77,48.62)	Yes	85.39 (81.01,88.91)
combinati	Agree a little	19.95 (15.48,25.32)	34.86 (30.57,39.41)	17.46 (11.22,26.15)	No	14.61 (11.09,18.99)
on arm	Disagree a	5.56 (3.813,8.042)	15.38 (12.52,18.74)	19.29 (12.08,29.35)		
	little	4 047 (1 001 8 405)	0.017 (6.021 12.27)	25 41 (16 45 37 00)		
	lot	4.047 (1.901,8.403)	9.017 (0.051,15.27)	25.41 (10.45,57.09)		
	Don't know	.0955 (.0131,.6905)	.1291 (.0174,.9487)	1.406 (.1924,9.535)		
Triple-	Agree a lot	70.84 (65.97,75.28)	44.25 (36.78,51.98)	21.57 (12.82,33.97)	Yes	86.28 (81.61,89.91)
combinati	Agree a little	18.39 (15.01,22.32)	28.17 (23.61,33.24)	21.64 (12.81,34.17)	No	13.72 (10.09,18.39)
on arm	Disagree a little	5.593 (4.032,7.71)	15.12 (10.03,22.16)	23.28 (13.11,37.88)		
	Disagree a lot	4.998 (2.944,8.361)	11.9 (8.329,16.72)	31.86 (20.69,45.6)		
	Don't know	.1803 (.0439,.7368)	.5163 (.1932,1.372)	1.65 (.2273,11)		
Delayed	Agree a lot	68.28 (63.41,72.78)	36.37 (30.94,42.17)	28.72 (17.33,43.63)	Yes	79.85 (76.08,83.16)
interventio	Agree a little	21.48 (17.99,25.43)	33.64 (29.47,38.09)	35.13 (23.24,49.19)	No	20.15 (16.84,23.92)
n/control arm	Disagree a little	6.259 (4.403,8.826)	18.32 (15.64,21.35)	18.85 (11.76,28.82)		
	Disagree a lot	3.746 (2.545,5.481)	11.28 (8.733,14.45)	16.07 (10.36,24.08)		
	Don't know	.2297 (.0563,.9316)	.3894 (.1244,1.212)	1.243 (.1674,8.634)		
		m252 Until what grade	F 273 Until what grade	F 281 Until what grade do		F 263 How much
		should	do you think most	community members		school grades do you
		fathers/brothers/husbands/	mothers let adolescent	expect mothers to send		really think your
		father in laws/father in	girls attend school?	their adolescent girls to		adolescent girl will
		aws let their adolescent girls ideally get educated?		school		complete?
Double- combinati on arm	Mean+SD	11.43 <u>+</u> 0.13 (11.18, 11.68)	$\begin{array}{c} 10.42 \pm 0.19 \\ 10.79) \end{array} (10.04,$	10.33 <u>+</u> 0.19 (9.94, 10.73)	Mean+SD	$\begin{array}{ll} 12.21 \pm 0.11 & (12.0, \\ 12.42) \end{array}$
Triple- combinati on arm	Mean+SD	11.00 <u>+</u> 0.22 (10.57, 11.43)	9.66 <u>+</u> 0.27 (9.13, 10.19)	9.68 <u>+</u> 0.28 (9.13, 10.22)	Mean+SD	11.80 <u>+</u> 0.19 (11.42, 12.19)
Delayed interventio n/control arm	Mean+SD	10.66±0.13 (10.40, 10.91)	9.62 <u>+</u> 0.16 (9.3, 9.93)	9.57 <u>+</u> 0.16 (9.26, 9.88)	Mean+SD	11.49 <u>+</u> 0.14(11.22, 11.76)

Table 40: attitude, behavior, empirical and normative expectation of male references on Adolescents Education and school attendance (2), August 2016

Arm	Response	Attitude	Empirical expectation	Normative expectation	Behavior	
		M 253 Compared to boys, adolescent girls should help in the household chores than going to school	M 274 Most fathers/brothers/husban d/father in laws/brother in laws take their adolescent girls out of school to make them do household chores	M 282Community members expect fathers/brothers/husband/ father in laws/brother in laws to take their adolescent girls out of school to make them do household chores		How often do you make your adolescent girl get absent from school to do household chores when compared to other adolescent boys?
		% (95% CI)	% (95% CI)	% (95% CI)		% (95% CI)
Double- combinati	Agree a lot	6.583 (4.453,9.627)	10.87(8.328,14.06)	7.106(5.112,9.799)	Often	8.047 (6.652,9.703)
on arm	Agree a little	16.56 (12.97,20.91)	25.96(22.08,30.25)	24.04(19.58,29.15)	Sometimes	22.92 (19.99,26.13)
	Disagree a little	20.73 (16.55,25.64)	28.62(24.89,32.67)	29.68(25.49,34.23)	Rarely	28.45 (23.21,34.36)
	Disagree a lot	56.12 (49.08,62.93)	34.05(28.85,39.66)	38.55(32.53,44.94)	Never	39.37 (33.16,45.95)
	Don't know	0	.5091(.1624,1.584)	.5046(.1599,1.581)	Don't know	1.125 (.5358,2.347)
Triple- combinati	Agree a lot	10.67 (7.936,14.21)	18.43(14.43,23.24)	16.35(12.83,20.6)	Often	11.28 (8.66,14.57)
on arm	Agree a little	15.73 (12.5,19.6)	27.24(22.91,32.04)	26.16(21.35,31.62)	Sometimes	25.23 (21.33,29.57)
	Disagree a little	16.49 (12.43,21.56)	19.23(16.06,22.85)	21.24(18.25,24.58)	Rarely	21.26 (17.87,25.1)
	Disagree a lot	57.02 (49.78,63.96)	34.18(27.7,41.31)	35.41(28.98,42.4)	Never	37.95 (32.18,44.08)
	Don't know	.09 (.0124,.6526)	.8889(.4323,1.819)	.8394(.411,1.706)	Don't know	4.086 (2.523,6.552)
Delayed interventi	Agree a lot	11.67 (9.27,14.59)	18.79(15.58,22.47)	18.68(15.69,22.11)	Often	10.01 (8.042,12.4)
on/control arm	Agree a little	19.44 (16.72,22.47)	30.02(26.39,33.92)	28.08(25.03,31.34)	Sometimes	29.54 (26.27,33.04)
	Disagree a little	18.87 (15.27,23.07)	21.29(18.28,24.65)	23.63(20.2,27.43)	Rarely	25.07 (22.03,28.37)
	Disagree a lot	49.96 (44.52,55.39)	29.26(25.09,33.81)	28.43(24.62,32.59)	Never	31.9 (28.06,36)
	Don't know	.0718 (.0098,.5266)	.6403(.2678,1.523)	1.095(.5156,2.31)	Don't know	3.208 .023,5.051)

## 3.3.7.4. Male reference group Attitude, Empirical Expectation, Behavior and Normative Expectation on Marriage

#### 3.3.7.4.1. Attitude of Male reference group on Adolescent girls' Marriage

According to male references, the ideal average age for a girl to get married (Mean + SE) is  $17.97\pm0.08$  in the first,  $17.48\pm0.08$  in the triple-combination arm and  $17.48\pm0.07$  delayed intervention/control arm. In addition, male references think that adolescent girls herself should mainly choose who she marries (81.2%) in the first, (74.54%) in the triple-combination arm and (76.71%) delayed intervention/control arm. Four in ten male references agree that they should let adolescent girls/sisters to have the final decision regarding their marriage (44.26%, 45.53% and 49.19%).

Three out of ten in the first and triple-combination arm and four out of ten in the delayed intervention/control arm agree a lot on idea of Adolescent girls should talk to their fathers/brothers before making the decision to marry (36.9 %, 34.92% and 43.56%). Most male references agreed a lot on that they should let adolescent girls have a say whether they want to marry or not (48.44%, 60.74%, and 55.41%) in the first, triple-combination arm and delayed intervention/control arm Respectively.

# 3.3.7.4.2. Empirical Expectation of Male reference group on Adolescent girls' Marriage

Most male references states average age (Mean +SE) ( $16.82\pm0.13$ ,  $16.13\pm0.13$  and  $16.35\pm0.07$ ) at which most mothers marry off their adolescent daughters. More than one fourth of male reference says it is the girl herself who mostly choose the adolescent girls those husbands marry (33.62%, 38.02% and 43.33%) in the first, triple-combination arm and delayed intervention/control arm.

Most male references agreed a lot on other male references should let their adolescent girls/sisters to have the final decision regarding their marriage (35.45%, 40.09% and 39.9%) in the first, triplecombination arm and delayed intervention/control arm. Only one fourth of male references agreed a lot on other male references are consulted by their adolescent daughters/sisters before making the decision to marry (24.26%, 30.47% and 25.99%) in the first, triple-combination arm and delayed intervention/control arm. Near to half of male references agreed a lot on that most fathers/brothers let their adolescent daughters/sisters to have a say whether they want to marry or not (41.1%, 50.34% and 45.75%) in the first, triple-combination arm and delayed intervention/control arm.

### 3.3.7.4.3. Normative Expectation of Male reference group on Adolescent girls' Marriage

According to male reference perception, community members expect them marry off their adolescent daughters at mean age of (Mean + SE)  $17.22\pm0.14$ ,  $16.54\pm0.13$  and  $16.61\pm0.08$  in the first, triple-combination arm and delayed intervention/control arm woreda respectively. Male references agreed a lot on that, other community members as they them to let their adolescent girls/sisters have the final decision over their decision to marry 35.19%, 38.18% and 36.84% in the first, triple-combination arm and delayed intervention/control arm woreda respectively. Community members expect adolescent girls/sisters to consult their mothers before making the decision to marry (27.03%, 30.64% and 29.55%).Community members expect fathers/brothers to let their adolescent daughters have a say whether they want to marry or not (38.12%, 43.16% and 39.33%).

### 3.3.7.4.4. Behavior of Male reference group on Adolescent girls' Marriage

Among married Male reference most of them marry at average age of  $(14.59\pm0.16, 14.45\pm0.11)$  and  $14.89\pm0.14$ ) in the respective Arms. Most of male references (60.5 %, 81.03% and 78.5%) in the first, triple-combination arm and delayed intervention/control arm revealed that they themselves who mainly choice the adolescent girl that their son/brother married. Regarding the final decision on their adolescent girl's marriage, plenty of male reference respond that adolescent herself decide on her marriage (50.72%, 53.03% and 47.59%) in the first, triple-combination arm.

Most of male reference group never talk to their parents before making the decision to marry (77.98%, 76.37% and 73.82%) in the first, triple-combination arm and delayed intervention/control arm woreda respectively. Most of male reference group let their wife's to have a say over whether she wanted to marry or not (80.59%, 89.39% and 82.07%) during her marriage in the first, triple-combination arm and delayed intervention/control arm woreda respectively.

# Table 41: attitude, behavior, empirical and normative expectation of male references on Adolescent girl marriage, August 2016

Marriage norm	Marriage norms							
Arm	Response	Attitude	Empirical expectation	Normative expectation	Behavior			
		What is the ideal age for a girl to get married? Mean + SE	At what age do most mothers marry off their adolescent daughters? Mean +SD	At what age do community members expect fathers/brothers/husbands/fa ther in law/ to marry off their adolescent daughters?	Response	At what age did you (adolescent girl) first marry?		
		% (95% CI)	% (95% CI)	% (95% CI)		% (95% CI)		
Double- combination arm	Mean+SD	17.97+.08(17.79, 18.14)	16.82+.13(16.56, 17.08)	17.22+.14(16.94, 17.50)	Mean+SD	14.59+0.16 (14.26, 14.91)		
Triple- combination arm	Mean+SD	17.48+.08(17.32, 17.65)	16.13+.13(15.87, 16.39)	16.54+ .13(16.29, 16.78)	Mean+SD	$ \begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$		
Delayed intervention/con trol arm	Mean+SD	17.48+.07(17.34, 17.61)	16.35+.07(16.20, 16.49)	16.61+.08(16.45, 16.76)	Mean+SD	14.89+0.14 (14.62, 15.18)		
		M 362. Who mainly should choose who a girl marries?	Mm 373 Who mostly choose the adolescent girls those husbands marry?			MM 366 Who mainly choose the adolescent girl that your son/brother married?		
		% (95% CI)	% (95% CI)			% (95% CI)		
Double-	The Girl herself	81.2(76.25,85.32)	33.62 (20.86,49.33)		The Girl	15.65 (8.235,27.74)		
combination	The Husband-to-be	3.122(2.072, 4.678)	49.35 (35.98,62.81)		The respondent	60.5 (45.24,73.95)		
arm	Father	11.08(8.024,15.12)	15.1 (7.248,28.82)		Her Father	10.5 (3.93,25.17)		
	Mother	1.054(.4651,2.369)	1.926 (.2625,12.78)		Friends	10.12 (3.282,27.2)		
	Husband-to-be's father	2.441(1.255,4.694)	0		Others	3.227 (.4719,19)		
Triple-	The Girl herself	74.54(68.27,79.93)	38.02 (29.9,46.87)		The Girl	5.33 (2.721,10.18)		
combination	The Husband-to-be	3.178(1.498,6.614)	36.56 (28.62,45.3)		The respondent	81.03 (73.64,86.72)		
arm	Father	16.34(12.09,21.72)	16.44 (9.208,27.61)		Her Father	5.269 (2.456,10.94)		
	Mother	2.616(1.05,6.368)	1.778 (.4395,6.907)		Her mother	4.17 (1.583,10.53)		
	Husband-to-be's father	.4699(.1814,1.212)	3.988 (1.243,12.05)		Respondent's father	.5459 (.0749,3.864)		
					Friends	3.658 (1.347,9.548)		
Delayed	The Girl herself	76.71(73.24,79.85)	43.33 (35.02,52.03)		The Girl	7.443 (3.891,13.77)		
intervention/con trol arm	The Husband-to-be	2.472(1.554,3.91)	38.53 (29.49,48.43)		The respondent	78.5 (64.05,88.21)		
	Father	16.4(13.9,19.26)	11 (5.973,19.37)		Her Father	6.261 (2.777,13.51)		
	Mother	1.341(.7266,2.463)	0		Her mother	2.496 (.7882,7.622)		
	Husband-to-be's father	.2244(.031,1.607)	1.974 (.2744,12.85)		Other Family members	1.974 (.2744,12.85)		
	Other Family	.426(.1789,1.011)	2.162 (.5004,8.848)		Friends	3.327 (.9363,11.13)		
	Friends	1 451( 7891 2 652)	1 029( 1485 6 772)	1				
	Other (Adolescent	6333(1575 2 511)	1 124 ( 1605 7 439)	<u> </u>				
	girls, brokers, elders							

# Table 42: attitude, behavior, empirical and normative expectation of male references on Adolescent girl marriage (2), August 2016

Arm	Response	Attitude	Empirical expectation	Normative expectation	Behavior		
		Um 363 Fathers/sisters/brothers should let adolescent girls/sisters have the final decision regarding their marriage	Um371 Most Fathers/sisters/brothers should t let their adolescent girls/sisters to have the final decision regarding their marriage	Fbh 378 Community members expect fathers/brothers/husbands to let their adolescent girls/sisters have the final decision over their decision to marry		mm368 Who made the final decision regarding your adolescent daughter- in-law's/sister-in-law's marriage?	
		% (95% CI)	% (95% CI)	% (95% CI)		% (95% CI)	
Double-	Agree a lot	44.26(39.08,49.57)	35.45 (30.55,40.67)	35.19 (30.69,39.97)	The Girl	50.72 (34.9,66.4)	
combinatio	Agree a little	35.21(31.16,39.48)	37.98 (33.93,42.2)	36.51 (32.73,40.47)	The respondent	20.2 (10.36,35.67)	
n arm	Disagree a little	12.42(9.818,15.6)	16.1 (13.34,19.3)	18.2 (14.81,22.15)	Her Father	20.73 (11.77,33.88)	
	Disagree a lot	8.068(5.781,11.15)	10.33 (7.54,14.01)	10.02 (7.457,13.34)	Her mother	4.451 (1.046,17.03)	
	Don't know	.0402(.0054,.3004)	.1385 (.0195,.977)	.075 (.0102,.549)	Respondent's father	3.902 (1.049,13.46)	
					Respondent's mother	0	
					Other Family members	0	
					Neighbors	0	
					Friends	0	
					Others	0	
Triple-	Agree a lot	45.53(38.86,52.36)	40.09 (35.72,44.62)	38.18 (32.61,44.08)	The Girl	53.03 (43.13,62.69)	
combinatio	Agree a little	14.73(9.946,21.27)	36.43 (32.9,40.12)	40.6 (36.13,45.23)	The respondent	17.14 (10.64,26.43)	
n arm	Disagree a little	16.95(13.07,21.69)	14.55 (10.66,19.56)	12.85 (9.672,16.87)	Her Father	16.63 (9.028,28.61)	
	Disagree a lot	3.504(2.167,5.616)	8.577 (7.074,10.36)	7.85 (6.162,9.952)	Her mother	2.418 (.5916,9.353)	
	Don't know	.2223(.0513,.9582)	.3485 (.1221,.9908)	.5245 (.2228,1.23)	Respondent's father	3.206 (1.287,7.764)	
					Respondent's mother	0	
					Other Family members	1.57 (.4446,5.387)	
					Neighbors	0	
					Friends	1.102 (.1521,7.538)	
					Others	4.91 (1.827,12.53)	
Delayed	Agree a lot	49.19(45.03,53.37)	39.9 (35.68,44.27)	36.84 (32.71,41.17)	The Girl	47.59 (36.13,59.31)	
intervention	Agree a little	35.57(31.08,40.33)	38.17 (33.88,42.66)	40.76 (35.68,46.05)	The respondent	19.3 (13.9,26.16)	
/control arm	Disagree a little	8.7(6.539,11.49)	12.3 (9.893,15.19)	13.04 (10.21,16.5)	Her Father	23.83 (13.45,38.64)	
	Disagree a lot	6.54(4.852,8.763)	9.408 (7.861,11.22)	9.004 (7.188,11.22)	Her mother	1.029 (.1485,6.772)	
	Don't know	0	.2233 (.0546,.9076)	.3569 (.1187,1.068)	Respondent's father	2.18 (.6754,6.805)	
					Respondent's mother	.8615 (.1131,6.251)	
					Other Family members	2.009 (.5137,7.53)	
			1	1	Neighbors	0	
			1		Friends	1.029 (.1485.6.772)	
					Others	2.171 (.5522,8.148)	

# Table 43: attitude, behavior, empirical and normative expectation of male references on Adolescent girl marriage (3), August 2016

Arm	Response	Attitude	Empirical expectation	Normative expectation	Behavior	
		um364 Adolescent girls should talk to their fathers/brothers before making the decision to	Um372 Most fathers/brothers are consulted by their adolescent	Um379 Community members expect adolescent girls/sisters to consult their mothers before making the		312. Did you talk to your parents before making the decision to marry?
		marry	daughters/sisters before making the decision to marry	decision to marry		
		% (95% CI)	% (95% CI)	% (95% CI)		% (95% CI)
Double-	Agree a lot	36.9 (31.92,42.19)	24.26 (20.09,28.97)	27.03(22.76,31.77)	Yes	22.02 (12.32,36.18)
combination arm	Agree a little	33.23 (29.33,37.38)	31.31 27.67,35.19)	34.84(29.59,40.49)	No	77.98 (63.82,87.68)
	Disagree a little	12.68 (10.21,15.64)	22.97 (18.88,27.65)	21.33(17.57,25.65)		
	Disagree a lot	17.19 (14.14,20.73)	21.09 (17.36,25.37)	16.74(13.59,20.45)		
	Don't know	0	.3725 (.0809,1.698)	0	1	
Triple-	Agree a lot	34.92 (28.84,41.53)	30.47 (25.76,35.62)	30.64(26.02,35.68)	Yes	23.63 (16.03,33.4)
combination arm	Agree a little	14.28 (10.31,19.46)	35.28 (30.6,40.25)	37.48(32.98,42.21)	No	76.37 (66.6,83.97)
	Disagree a little	15.7 (12.03,20.23)	17.51 (14.07,21.57)	17.48(13.27,22.67)		
	Disagree a lot	12.34 (9.288,16.21)	15.91 (12.95,19.39)	14.06(11.44,17.16)		
	Don't know	0	.8394 (.423,1.659)	.3445(.1084,1.09)		
Delayed	Agree a lot	43.56 (40.17,47)	25.99(22.87,29.37)	29.55(26.67,32.6)	Yes	26.18 (17.45,37.3)
intervention/contr	Agree a little	26.65 (23.34,30.24)	37.92(33.8,42.23)	35.2(31.68,38.89)	No	73.82 (62.7,82.55)
ol arm	Disagree a little	12.15 (9.778,15)	17.53(14.2,21.45)	18.57(15.29,22.35)		
	Disagree a lot	17.42 (13.43,22.3)	18.43(15.04,22.37)	16.29(13.59,19.41)		
	Don't know	.2261 (.0546,.9304)	.1359(.0186,.9864)	.3954(.1309,1.188)		
		Fbh 353.	Um368 Most	Um376 Community		H365. Did you let your
		Fathers/brothers/husband	fathers/brothers let their	members expect		wife have a say over
		s should let adolescent	adolescent	fathers/brothers to let their		whether she wanted to
		girls have a say whether	daughters/sisters to have	adolescent daughters have a		marry or not?
		they want to marry or not	to marry or not	marry or not		
		%(CI)	%(CI) %(CI)	%(CI) %(CI) %(CI)	%(C	[] %%( <b>(C[]</b> )
Double-	Agree a lot	48.44 (42.78,54.13)	41.1 (35.91,46.48)	38.12 (33.02,43.49)	Yes	80.59 (66.43,89.7)
combination arm	Agree a little	32.5 (27.74,37.65)	36.4 (31.92,41.13)	35.44 (31.91,39.14)	No	19.41 (10.3,33.57)
	Disagree a little	10.33 (8.009,13.24)	13.88 (10.09,18.8)	16.97 (13.09,21.72)	Don't know	0
	Disagree a lot	8.731 (6.183,12.19)	8.406 (5.99,11.68)	9.224 (6.759,12.47)		
	Don't know	0	.2151 (.0467,.9849)	.2488 (.0636,.9685)		
Triple-	Agree a lot	60.74 (55.93,65.34)	50.34 (45.18,55.49)	43.16 (37.77,48.71)	Yes	89.39 (80.28,94.58)
combination arm	Agree a little	25.41 (21.71,29.5)	33 (29.09,37.17)	37.35 (32.46,42.51)	No	10.3 (5.17,19.47)
	Disagree a little	7.109 (5.173,9.696)	9.452 (7.167,12.37)	10.99 (8,14.92)	Don't know	.3091 (.0411,2.285)
	Disagree a lot	6.743 (4.944,9.132)	6.888 (5.638,8.39)	7.983 (6.063,10.44)		
	Don't know	0	.3154 (.0996,.9936)	.5186 (.2005,1.335)		
Delayed	Agree a lot	55.41 (50.74,59.99)	45.75 (41.87,49.68)	39.33 (35.15,43.67)	Yes	82.07 (73.19,88.46)
intervention/contr	Agree a little	29.69 (25.57,34.17)	35.73 (31.45,40.24)	39.44 (35.14,43.9)	No	17.06 (10.99,25.51)
ol arm	Disagree a little	8.303 (6.546,10.48)	10.95 (8.792,13.57)	12.7 (10.45,15.35)	Don't know	.8754 (.1282,5.726)
	Disagree a lot	6.4 (4.818,8.454)	7.408 (5.591,9.753)	7.98 (6.347,9.989)		
	Don't know	.1925 (.0471,.7834)	.1637 (.0387,.6907)	.5539 (.2383,1.282)		

## 3.3.7.5. Male reference group Attitude, Empirical Expectation, Behavior and Normative Expectation on girls Empowerment and decision making

## 3.3.7.5.1. Attitude of Male reference group on Adolescent girls Empowerment and decision making

Most of male references (40.62 %, 34.29 % and 37.52%) in the first, triple-combination arm and delayed intervention/control arm disagree a lot that Husbands of adolescent should give permission for their wives to go outside of the home. More than half (51.53% and 55.08%) in the triple-combination arm and delayed intervention/control arm and (48.46 %) in the double-combination arm disagree a lot on the idea of Fathers should allow adolescent girls to go outside of the home at their own will.

Only Two out of ten male references agree on Fathers should allow adolescent girls to have a say on the use of household income (22.08%, 27.42% and 28.18%) in the first, triple-combination arm and delayed intervention/control arm. Two out of ten in the double-combination arm, three out of ten in the triple-combination arm and delayed intervention/control arm agree a lot on the idea of Mothers should allow adolescent girls to decide how much education they can get (29.77%, 31.74% and 33.58%).

## 3.3.7.5.2. Empirical Expectation of Male reference group on Adolescent girls Empowerment and decision making

Near to half Male references (40.06%, 35.51% and 39.81%) in the first, triple-combination arm and delayed intervention/control arm think most other fathers/husbands in the community give permission for their wives to go outside of the home. Most fathers (51.08%, 50.83% and 51.86%) in the first, triple-combination arm and delayed intervention/control arm feel that they can allow adolescent girl to go outside of their home at their own will.

Only one in ten fathers in all Arms allow their adolescent girls to have a say on the use of household income (15.9%, 19.08% and 19.62%). Although, three out of ten (30.85%, 32.1% and 34.76%) mothers in all Arms allow their adolescent girls to decide how much education they can get.

## 3.3.7.5.3. Normative Expectation of Male reference group on Adolescent girls Empowerment and decision making

Three out of ten (39.27 %, 34.53 % and 34.6 %) Other husbands/father in law/brother in laws in all Arms expect husbands in the community to give permission for their wife/daughter to go outside of the home. Considerable Male references (43.04 %) in the first , (41.93 %) in the triple-combination arm and (47.67%) delayed intervention/control arm agree a lot that Most fathers in the community expect them to allow their adolescent girl to go outside of her home at her own will.

Two out of ten in the first and triple-combination arm and one in the ten in the delayed intervention/control arm (20.3%, 20.79 % and 19.38%) agree a lot that most fathers in the community expect you to allow your adolescent girl to have a say on the use of household income. Most of male references (34.37%, 31.64% and 34.67%) in the first, triple-combination arm and delayed intervention/control arm agree a lot that most mothers in the community expect them to allow their adolescent girl on decide how much education she can get.

## 3.3.7.5.4. Behavior of Male reference group on Adolescent girls Empowerment and decision making

Quarter of male (38.81 %, 34.24% and 36.97%) in the first, triple-combination arm and delayed intervention/control arm never allow their adolescent girl to do what she wants to do as they do for their adolescent boys. Half of male reference (53%, 58.28% and 62.93%) in the first, Triple-combination arm and delayed intervention/control arm revealed that they never allow their adolescent girl to go outside of their home at her own will.

More than half of male reference (71.21%, 65.64% and 63.92%) in the first, triple-combination arm and delayed intervention/control arm tell that they makes decision over household finances jointly. Four out of ten (41.14%, 45.48% and 43.94%) male reference in the first, triple-combination arm and delayed intervention/control arm tell they fully allow their adolescent girls to decide how much education she can get.

# Table 44: attitude, behavior, empirical and normative expectation of male references on Girls empowerment and decision making, August 2016

Arm	Response	Attitude	Empirical expectation	Normative expectation	Behavior	
		Husbands of adolescent	Most fathers/husbands give	Other husbands/father in	Response	How often do you allow
		should give permission for	permission for their wives	law/brother in laws expect		your adolescent girl to do
		their wives to go outside of	to go outside of the home	husbands in the		what she wants to do as
		the home	0	community to give		you do for your adolescent
				permission for their		boys?
				wife/daughter to go outside		-
				of the home		
		% (95% CI)	% (95% CI)	% (95% CI)		% (95% CI)
Double-	Agree a lot	11.53 (7.995,16.34)	8.76 (6.121,12.39)	9.311 (6.799,12.63)	Often	4.181 (3.042,5.721)
combination	Agree a little	22.08 (18.34,26.34)	21 (17.79,24.62)	23.04 (19.44,27.08)	Sometimes	24.6 (21.23,28.31)
arm	Disagree a little	25.46 (21.34,30.06)	29.94 (24.36,36.19)	27.75 (23.64,32.28)	Rarely	32.3 (28.05,36.86)
	Disagree a lot	40.62 (36.58,44.8)	40.06 (35.69,44.59)	39.27 (34.44,44.32)	Never	38.81 (34.86,42.9)
	Don't know	.311 (.0841,1.143)	.2402 (.0761,.756)	.6263 (.2629,1.484)	Don't know	.1177 (.0164,.8385)
Triple-	Agree a lot	17.96 (14.28,22.34)	13.05 (9.631,17.44)	14.73 (10.78,19.8)	Often	9.317 (7.002,12.3)
combination	Agree a little	24.65 (20.89,28.84)	26.4 (22.4,30.84)	25.8 (21.67,30.42)	Sometimes	29.08 (25.05,33.47)
arm	Disagree a little	22.87 (19,27.27)	24.46 (18.37,31.77)	24.26(19.61,29.61)	Rarely	26.68 (23.49,30.12)
	Disagree a lot	34.29 (28.87,40.16)	35.51 (29.59,41.92)	34.53 (28.77,40.78)	Never	34.24 (29.65,39.14)
	Don't know	.2336 (.0573,.9476)	.5791 (.1886,1.764)	.6854 (.3355,1.395)	Don't know	.685 (.2259,2.058)
Delayed	Agree a lot	15.65 (12.9,18.87)	10.05 (7.836,12.81)	13.76 (10.86,17.29)	Often	7.755 (5.878,10.17)
intervention/con	Agree a little	24.1 (20.97,27.53)	25.28 (22.49,28.28)	24.65 (20.49,29.34)	Sometimes	27.09 (24.32,30.05)
trol arm	Disagree a little	22.52 (19.47,25.91)	24.43 (20.73,28.55)	26.41 (22.15,31.15)	Rarely	27.89 (24.85,31.15)
	Disagree a lot	37.52 (32.46,42.87)	39.81 (35.08,44.72)	34.6 (29.13,40.52)	Never	36.97 (32.93,41.2)
	Don't know	.2055 (.0513,.8201)	.4353 (.1591,1.185)	.5818 (.2084,1.613)	Don't know	.2947 (.0922,.9373)
		m432 fathers should allow	m448 Most fathers in this	fbfibi463. Most fathers in		F441How often do you
		adolescent girls to go	community feel they can	the community expect you		allow your adolescent girl
		outside of the home at their	allow adolescent girl to go	to allow your adolescent		to go outside of your home
		own will	outside of their home at	girl to go outside of her		at her own will?
			their own will.	home at her own will		
		% (95% CI)	% (95% CI)	% (95% CI)		% (95% CI)
Double-	Agree a lot	4.539 (3.135,6.53)	3.183(2.043,4.927)	3.9 (2.72,5.562)	Often	2.067(1.432,2.976)
combination arm	Agree a little	17.85 (14.38,21.95)	15.46(11.87,19.9)	23.36 (20.14,26.93)	Sometimes	15.63(13.09,18.56)
	Disagree a little	29.09 (24.29,34.4)	30.21(25,35.98)	29.23 (24.73,34.16)	Rarely	29.31(25.64,33.26)
	Disagree a lot	48.46 (43.33,53.62)	51.08(46.03,56.11)	43.04 (37.5,48.76)	Never	53(48.43,57.52)
	Don't know	0	.0622(.0084,.4583)	.4691 (.1796,1.22)	Don't know	0
Triple-	Agree a lot	8.874(6.427,12.13)	4.819(3.209,7.175)	8.614 (5.511,13.22)	Often	3.121(2.004,4.828)
combination	Agree a little	15.84(13.13,18.99)	19.67(16.42,23.38)	21.98 (18.46,25.95)	Sometimes	15.76(13,18.97)
arm	Disagree a little	23.25 (18.18,29.23)	24.29(20.58,28.43)	26.37 (20.87,32.72)	Rarely	21.97(18.63,25.72)
	Disagree a lot	51.53(44.48,58.51)	50.83(45.81,55.83)	41.93 (35.71,48.4)	Never	58.28(53.12,63.26)
	Don't know	.3572(.1233,1.03)	.3898(.1282,1.179)	1.113 (.3428,3.552)	Don't know	.8733(.3893,1.947)
Delaved	Agree a lot	5.969(4.247.8.327)	4.246(3.187.5.636)	6.181 (4.581.8.291)	Often	2.145(1.483,3.092)
intervention/con	Agree a little	17.56(14.53,21.08)	18.77(15.23,22.92)	23.49 (18.26,29.67)	Sometimes	16.32 (13.82,19.18)
trol arm	Disagree a little	21.19(18.21,24.5)	24.63(21.48,28.09)	22.31 (18.64,26.47)	Rarely	18.09(15.49,21.03)
	Disagree a lot	55.08(50.04,60.02)	51.86(46.8,56.89)	47.67 (41.51,53.91)	Never	62.93(58.88,66.82)
	Don't know	.1979(.0487,.7997)	.4836(.1651,1.408)	.354 (.1164,1.072)	Don't know	.5059(.2081,1.225)
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# Table 45: attitude, behavior, empirical and normative expectation of male references on Girls empowerment and decision making (2), August 2016

Arm	Response	Attitude	Empirical expectation	Normative expectation	Behavior	
		f436 fathers should allow adolescent girls to have a say on the use of household income	457 Most fathers allow their adolescent girls to have a say on the use of household income	471 Most fathers in the community expect you to allow your adolescent girl to have a say on the use of household income		m110. Who mainly makes decision over household finances?
		% (95% CI)	% (95% CI)	% (95% CI)		% (95% CI)
Double- combination arm	Agree a lot Agree a little	22.08(18.11,26.65) 41.89(38.19,45.69)	15.9 (12.64,19.8)         50.17 (45.56,54.77)	20.3 (16.37,24.88)         46.63 (41.66,51.67)	Myself Husband	21.86 (16.76,28) 2.356 (1.572,3.516)
	Disagree a little	22(18.27,26.25)	23.85 (20.06,28.09)	22.17 (18.68,26.12)	Jointly	71.21 (64.87,76.81)
	Disagree a lot	13.92(11,17.46)	9.889 (7.503,12.93)	10.34 (8.215,12.93)	Respondent's mother)	3.205 (2.174,4.702)
	Don't know	.1015(.0241,.4273)	.2015 (.049,.8242)	.5572 (.1952,1.58)	Respondent's parents jointly	1.131 (.619,2.057)
Triple-	Agree a lot	27.42(24.09,31.02)	19.08 (15.07,23.85)	20.79 (16.64,25.66)	Myself	27.97 (21.3,35.76)
combination	Agree a little	44.43(40.97,47.95)	48.66 (43.49,53.87)	46.68 (41.88,51.55)	Husband	2.007 (1.109,3.605)
arm	Disagree a little	15.81(12.99,19.1)	22.48 (19.5,25.78)	19.83 (16.5,23.64)	Jointly	65.64 (58.05,72.5)
	Disagree a lot	11.49(9.111,14.4)	8.899 (6.616,11.87)	10.21 (7.45,13.83)	Respondent's mother)	2.633 (1.687,4.086)
	Don't know	.8454(.3498,2.029)	.8778 (.4042,1.896)	2.487 (1.243,4.918)	Respondent's mother	1.018 (.4303,2.388)
Delayed	Agree a lot	28.18(24.58,32.07)	19.62 (16.33,23.39)	19.38 (16.4,22.76)	Myself	29.24 (25.47,33.32)
intervention/con	Agree a little	45.17(39.97,50.49)	48.56 (43.6,53.55)	48.07 (43.09,53.1)	Husband	2.084 (1.369,3.159)
trol arm	Disagree a little	16.44(13.76,19.52)	23.65 (20.7,26.89)	23.36 (20.57,26.4)	Jointly	63.92 (59.75,67.9)
	Disagree a lot	9.971(7.548,13.06)	7.612 (5.523,10.4)	7.702 (5.815,10.14)	Respondent's mother)	3.292 (2.283,4.727)
	Don't know	.239(.0333,1.696)	.5471 (.2484,1.201)	1.487 (.7673,2.863)	Respondent's mother	.5336 (.2441,1.162)
					Respondent's parents jointly	.9273 (.4545,1.883)
		m435 Mothers should allow adolescent girls to decide how much education they can get.	456. Most mothers allow their adolescent girls to decide how much education they can get.	470. Most mothers in the community expect you to allow your adolescent girl on decide how much education she can get.		m444. To what extent do you allow adolescent girls to decide how much education she can get?
		% (95% CI)	% (95% CI)	% (95% CI)		% (95% CI)
Double-	Agree a lot	29.77(26.07,33.76)	30.85 (26.98,35.01)	34.37 (30.86,38.05)	Fully	41.14 (36.25,46.21)
combination	Agree a little	15.76(12.81,19.23)	40.8 (36.33,45.42)	35.99 (31.56,40.68)	Partially	29.84 (27.1,32.74)
am	Disagree a little	17.98(15.13,21.22)	17.24 (14.01,21.04)	19.53 (16.17,23.41)	Slightly	21.53 (17.06,26.78)
	Disagree a lot	.331(.1332,.8202)	10.89 (8.327,14.12)	9.715 (7.115,13.13)	Never	7.42 (5.452,10.02)
TT 1	Don't know	.116/(.0163,.8324)	.2244 (.0505,.9908)	.3948 (.1489,1.043)	Don't know	.0/15 (.009/,.5237)
I riple-	Agree a lot	31.74(26.95,36.94)	32.1 (26.63,38.12)	31.64 (25.92,37.98)	Fully	45.48 (39.48,51.61)
arm	Agree a little	11.24(9.627,13.09)	42.08 (38.26,46)	41 (35.94,46.25)	Partially	28.22(24.89,31.82)
	Disagree a lut	2 701(1 626 4 428)	13.3(11.48,20.1) 0.05(7.722,12.72)	0.787 (7.405.12.82)	Nover	14.53(10.44, 19.92) 11 10 (8 752 14 21)
	Disaglee a lot	0	5722 (2521 1 202)	9.787 (7.405,12.83)	Don't know	56 ( 2420 1 286)
Delayed	A gree a lot	33 58(27 96 39 69)	34 76 (31 2 38 40)	34 67 (31 04 38 40)	Fully	.30 (.2429,1.200) A3 0A (30 27 A8 72)
intervention/con	Agree a little	12 29(9 / 91 15 77)	10 52 (31 68 46 64)	A0 12 (34 27 46 27)	r uny Partially	32 /8 (27 59 27 77)
trol arm	Disagree a little	12.22(9.421,13.77)	15 94 (13 41 18 86)	16 1/ (13 05 10 8)	1 arriary Slightly	15 37(12 /5 18 83)
	Disagree a lot	1.664(1.086.2.54)	7 845 (5 776 10 57)	7 058 (5 330 0 276)	Never	7 894 (6 006 10 31)
	Don't know	0	9358 (4465,1,951)	2.008 (1.142.3.508)	Don't know	3172 (0808 1.237)
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## 3.3.7.6. Male reference group Attitude, Empirical Expectation, Behavior and Normative Expectation on girls Sexual and Reproductive health

### 3.3.7.6.1. Attitude of Male reference group on Adolescent girls Empowerment and decision making

More than sixty percent (67.18%, 71.99% and 68.75%) of male references in the in first, triplecombination arm and delayed intervention/control arm agree on Adolescent girls should not have sex before marriage even though they can avoid pregnancy. Considerable amount of male references agree that it should be adolescent girls fault if she gets pregnant before marriage (79.74%, 86.44% and 88.7%) in the first, triple-combination arm and delayed intervention/control arm respectively.

According to male references the ideal age for girls to have their first sexual intercourse is sixteen in the double-combination arm and fifteen in the triple-combination arm and delayed intervention/control arm (16.59+0.15, 15.68+0.12 and 15.80+0.08). Four out of ten male reference disagree on the idea of Fathers should talk to their married adolescent girls about contraceptives (48.68 %, 42.47% and 47.23%) in the first, triple-combination arm and delayed intervention/control arm respectively. More than half of male reference s agree on that Contraceptives should only be used by married women (55.98%, 59.98% and 61.26%) in the first, combine and delayed intervention/control arm.

## 3.3.7.6.2. Empirical Expectation of Male reference group on Adolescent girls Sexual and Reproductive health

Uniformly along the Arms male reference (66.23%, 65.45% and 67.49%) disagree on the idea of Most adolescent girls have sex before marriage in their community. Large amount of male references agreed on that most fathers in the community think that it is adolescent girls' fault if they get pregnant before marriage (75.99%, 82.56% and 86.12%) in the first, triple-combination arm and delayed intervention/control arm.

According to male references response, sixteen for the double-combination arm and fifteen for the triple-combination arm and delayed intervention/control arm was age at most adolescent girls have their first sexual intercourse (Mean  $\pm$ SE) 16.39+14, 15.58+.17 and 15.79+.08. Three fourth of male references disagreed on the idea of Most fathers/brothers talk to unmarried adolescent girls/sisters about contraceptives (73.1%, 70.73% and 71.74%) in the first, triple-combination arm and delayed intervention/control arm respectively. Half of male references agreed on most mothers believe that

contraceptive methods should be used only by married women (51.09%, 59.26% and 57.76%) in the first, triple-combination arm and delayed intervention/control arm.

### 3.3.7.6.3. Normative Expectation of Male reference group on Adolescent girls Sexual and Reproductive health

Seven out of ten in the double-combination arm and six out of ten in the triple-combination arm and delayed intervention/control arm (71.39%, 64.29% and 65.61%) disagree on the idea of community members think adolescent girls have sex before marriage. Plenty of male references 75.99%, 82.56% and 86.12% in the first, triple-combination arm and delayed intervention/control arm agreed a lot on that community members expect them to think it is adolescent girls'/sisters' fault if they get pregnant before marriage.

Sixteen is the average age at which mothers expect adolescent girls to start having sex in the double-combination arm  $(16.56\pm0.14)$ . And more, fifteen is the average age at which mothers expect adolescent girls to start having sex in the triple-combination arm and delayed intervention/control arm  $(15.64\pm1.3)$  and  $15.84\pm0.9$  according to the male references. More than seventy percent (73.69%, 71.55%) of male references in the first and delayed intervention/control arm and more than sixty (68.22%) in the triple-combination arm disagreed a lot other fathers/brothers expect them to talk to their unmarried adolescent girl about contraceptives. Half of male references agreed lot on the idea of most mothers expect them to believe contraceptive methods should be used only by married women (48.32%, 53.2%) and 53.97% in the first, triple-combination arm and delayed intervention/control arm.

### 3.3.7.6.4. Behavior of Male reference group on Adolescent girls Sexual and Reproductive health

It very unlikely for three fourth of male references to accept if their daughter/sister get pregnant before marriage (78.46%, 72.63% and 73.53%) in the first, triple-combination arm and delayed intervention/control arm. They (male references) were fourteen years old averagely when they first had sexual intercourse (14.55+0.16, 14.41+0.09 and 14.93+0.13) almost universally for all the Arms.

More than three fourth of male references never talk to their unmarried adolescent girl/sister about contraceptives( 79.38%, 80.84% and 81.55 %) in the first, triple-combination arm and delayed intervention/control arm. Two out of ten in the double-combination arm, four out of ten in the

triple-combination arm and three out of ten male references in the delayed intervention/control arm often demand their adolescent daughter-in-law/sister-in-law to start using contraceptives (21.15%, 49.27% and 37.74%).

Table 46: attitude, behavior, empirical and normative expectation of male references on adolescent girl sexual and reproductive health, August 2016

A	Dognongo	Attitudo	Empirical	Normativo	Dehavior		
АГШ	Kesponse	Attitude	Empirical	Normative	Denavior		
		Adologoont girls	Most adalassant sirls	5100 Community	-		
		Addrescent gills	have say before	mombars think			
		before marriage even	mave sex before	adolescent girls have			
		though they can avoid	marriage	sex before marriage			
		pregnancy		sex before marriage			
		% (95% CI)	% (95% CI)	% (95% CI)			
Double-	Agree a lot	67.18(62.51.71.53)	2.862(1.682.4.828)	3.276 (2.004.5.311)			
combinatio	Agree a little	8.038(6.178,10.39)	8.318(6.475,10.63)	7.669 (5.714.10.22)			
n arm	Disagree a little	4.622(2.844,7.426)	14.99(12.01.18.55)	14.28 (11.3.17.89)			
	Disagree a lot	19.97(16.56.23.88)	66.23(61.95.70.27)	71.39 (67.73.74.79)			
	Don't know	.1908(.04797566)	7.598(5.354.10.68)	3.292 (2.009.5.35)			
Triple-	Agree a lot	71.99 (68.75.66)	5.514(3.726.8.088)	6.271 (4.512.8.654)			
combinatio	Agree a little	6.732(4.941.9.111)	11.29(8.723.14.5)	11.74 (8.935.15.27)			
n arm	Disagree a little	3.933(2.715.5.667)	12.33(9.153.16.42)	14.71 (11.15.19.16)			
	Disagree a lot	15.95(12.92.19.54)	65.45(59.47.70.97)	64.29 (57.45.70.6)			
	Don't know	1 389( 6317 3 027)	5 347(3 664 7 742)	2,985 (1,881,4,707)			
Delaved	Agree a lot	68.75(63.49.73.57)	4.045(2.911.5.596)	5.238 (3.849,7.092)			
intervention	Agree a little	4.197(2.816.6.21)	8.103(6.019.10.82)	9.941 (7.514.13.04)			
/control arm	Disagree a little	5.204(3.814.7.063)	14.67(11.42.18.64)	15.96 (13.19.19.19)			
	Disagree a lot	20.2(16.83.24.05)	67.49(63.61.71.15)	65.61 (60.39.70.47)			
	Don't know	1.568(.8929,2.74)	5.262(3.672,7.485)	2.752 (1.569,4.784)	1		
		It should be adolescent	Most fathers think that	Community members		How likely is it for	
		girls fault if she gets	it is adolescent girls'	expect you to think it		you to accept if your	
		pregnant before	fault if they get	is adolescent		daughter/sister get	
		marriage.	pregnant before	girls'/sisters' fault if		pregnant before	
			marriage	they get pregnant		marriage?	
				before marriage			
		% (95% CI)	% (95% CI)	% (95% CI)		% (95% CI)	
Double-	Agree a lot	79.74(76.46,82.66)	75.99 (72.5,79.15)	75.99(72.5,79.15)	Very likely	8.64(6.905,10.76)	
combinatio	Agree a little	15.14(12.71,17.94)	13.53 (11.01,16.51)	13.53(11.01,16.51)	Likely	5.875(4.249,8.072)	
n arm	Disagree a little	2.944(1.956,4.409)	5.005 (3.459,7.192)	5.005(3.459,7.192)	Unlikely	6.502(4.478,9.351)	
	Disagree a lot	2.064(1.32,3.215)	4.841 (3.542,6.585)	4.841(3.542,6.585)	Very unlikely	78.46(75.74,80.95)	
	Don't know	.1177(.0164,.8385)	.6411 (.2802,1.46)	.6411(.2802,1.46)	Don't know	0.5244(.2049,1.336)	
Triple-	Agree a lot	86.44(83.02,89.27)	82.56 (77.95,86.38)	82.56(77.95,86.38)	Very likely	12.31(9.906,15.2)	
combinatio	Agree a little	8.911(6.465,12.16)	10.03 (7.702,12.97)	10.03(7.702,12.97)	Likely	6.854(4.155,11.1)	
n arm	Disagree a little	1.651(.8709,3.109)	2.504 (1.227,5.04)	2.504(1.227,5.04)	Unlikely	6.155(4.215,8.904)	
	Disagree a lot	2.85(1.621,4.964)	4.31 (2.611,7.037)	4.31(2.611,7.037)	Very unlikely	72.63(67.8,76.99)	
	Don't know	.1436(.0202,1.014)	.5872 (.2328,1.473)	.5872(.2328,1.473)	Don't know	1.812(.8145,3.983)	
Delayed	Agree a lot	88.7(85.31,91.39)	86.12 (82.5,89.08)	86.12(82.5,89.08)	Very likely	12.59(9.954,15.79)	
intervention	Agree a little	5.219(3.859,7.022)	6.413 (4.919,8.321)	6.413(4.919,8.321)	Likely	7.377(5.278,10.22)	
/control arm	Disagree a little	2.933(1.802,4.739)	2.747 (1.673,4.479)	2.747(1.673,4.479)	Less likely	5.524(4.135,7.344)	
	Disagree a lot	2.625(1.822,3.768)	3.299 (2.176,4.971)	3.299(2.176,4.971)	unlikely	73.53(70.51,76.35)	
	Don't know	.4401(.167,1.155)	1.143 (.4968,2.608)	1.143(.4968,2.608)	Don't know	.9808(.5073,1.888)	

### Sexual and Reproductive health Norms

# Table 47: attitude, behavior, empirical and normative expectation of male references on adolescent girl sexual and reproductive health (2), August 2016

Arm	Response	Attitude	Empirical	Normative	Behavior	
			expectation	expectation		<b></b>
		What should be the	What age do most	What is the age		How old where you when
		ideal age for girls to	adolescent girls have	motners expect		you first had sexual
		intercourse?	intercourse? (Mean +	having sex?		
		intercourse.	SE)	nuving sex.		
Double-combination arm	Mean <u>+</u> SE	16.59+0.15(16.29, 16.89)	16.39+14(16.13, 16.67)	16.56+.143(16.27, 16.84)	Mean <u>+</u> SE	14.55+0.16 (14.25, 14.87)
Triple-combination	Mean <u>+</u> SE	15.68+0.12 (15.44, 15.92)	15.58+.17(15.25, 15.91)	15.64+.13(15.39, 15.89)	Mean <u>+</u> SE	14.41+0.09 (14.22, 14.61)
Delayed	Mean+SE	15.80+0.08 (15.63, 15.98)	15.79+.08(15.62, 15.96)	15.84+.09(15.67, 16.01)	Mean+SE	14.93+0.13 (14.67, 15.18)
intervention/control arm						
		Fathers should talk to	Most fathers/brothers	Other fathers/brothers		How often do you talk to
		their married	talk to unmarried	expect you to talk to		your unmarried
		adolescent girls about	adolescent girls/sisters	your unmarried		adolescent girl/sister
		contraceptives	about contraceptives	contraceptives		about contraceptives?
		% (95% CI)	% (95% CI)	% (95% CI)		% (95% CI)
Double-combination	Agree a lot	15.8 (12.52,19.74)	1.734(1.018,2.939)	1.962(1.144,3.346)	Often	1.528 (.8521,2.725)
arm	Agree a little	16.03 (13.51,18.92)	4.574(3.234,6.433)	3.793(2.582,5.54)	Sometimes	9.84 (7.96,12.11)
	Disagree a little	14.18 (11.36,17.57)	13.31(10.5,16.74)	14.67(11.73,18.21)	Rarely	8.865 (6.942,11.26)
	Disagree a lot	48.68 (44.74,52.65)	73.1(68.63,77.15)	73.69(69.11,77.8)	Never	79.38 (76.04,82.36)
	Don't know	5.307 (3.113,8.906)	7.274(4.781,10.92)	5.885(3.725,9.18)	Don't know	.3916 (.0795,1.906)
Triple-combination	Agree a lot	23.71 (18.24,30.21)	2.596(1.581,4.233)	2.44(1.373,4.302)	Often	2.104 (1.266,3.476)
arm	Agree a little	15.82 (12.58,19.7)	7.898(5.679,10.88)	7.678(5.577,10.48)	Sometimes	9.411 (6.421,13.59)
	Disagree a little	13.22 (9.119,18.79)	12.92(9.072,18.08)	17.25(12.52,23.28)	Rarely	6.008 (4.197,8.53)
	Disagree a lot	42.47 (36.38,48.81)	70.73(64.7,76.11)	68.22(61.11,74.56)	Never	80.84 (75.42,85.3)
	Don't know	4.63 (3.082,6.899)	5.699(3.837,8.385)	4.289(2.94,6.216)	Don't know	1.638 (.7987,3.328)
Delayed	Agree a lot	19.25 (15.27,23.98)	2.251(1.225,4.101)	2.523(1.566,4.041)	Often	1.737 (.9646,3.107)
intervention/control	Agree a little	13.6 (11.26,16.34)	5.384(3.808,7.561)	6.476(4.689,8.882)	Sometimes	9.371 (6.844,12.7)
arm	Disagree a little	15.47 (12.84,18.53)	12.69(10.24,15.64)	15.05(11.87,18.89)	Rarely	5.222 (3.741,7.244)
	Disagree a lot	47.23 (42.22.52.29)	71.74(66.6.76.37)	71.55(66.17.76.38)	Never	81.55 (77.5.85.01)
	Don't know	3.679 (2.422,5.551)	7.135(5.364,9.433)	3.75(2.76,5.076)	Don't know	1.655 (.9941,2.742)
		m543 Contraceptives	m580 Most mothers	5112 Most mothers		mm560 How often do
		should only be used by	believe that	expect you to believe		you demand your
		married women	contraceptive methods	contraceptive methods		adolescent daughter-in-
			should be used only by	should be used only		law/sister-in-law to start
			married women	by married women		using contraceptives
	· ·	% (95% CI)	% (95% Cl)	% (95% CI)	<b>a</b> a	% (95% CI)
Double-combination	Agree a lot	55.98(49.95,61.83)	51.09(44.7,57.44)	48.32(42.15,54.53)	Often	21.15(9.302,41.23)
	Agree a little	15.05(12.37,18.19)	15.32(13.03,17.94)	15.7(13.02,18.82)	Sometimes	59.16(44,72.75)
	Disagree a little	7.338(5.32,10.04)	8.848(6.975,11.16)	10.96(8.53,13.96)	Rarely	14.87(6.021,32.27)
	Disagree a lot	18.66(15.18,22.73)	20.11(17.18,23.4)	22.29(18.47,26.65)	Never	4.819(1.083,18.97)
	Don't know	2.969(1.738,5.027)	4.63(2.992,7.1)	2.731(1.764,4.206)	Don't know	0
Triple-combination	Agree a lot	59.98(54.01,65.68)	59.26(53.44,64.83)	53.2(46.57,59.72)	Often	49.27(35.48,63.18)
arm	Agree a little	14.13(11.41,17.37)	14.68(11.71,18.25)	18.58(14.33,23.75)	Sometimes	25.62(17.54,35.8)
	Disagree a little	7.732(5.46,10.84)	9.598(6.872,13.25)	10.73(8.089,14.1)	Rarely	10.29(5.381,18.78)
	Disagree a lot	14.3(10.66,18.91)	12.73(10.2,15.76)	14.66(12.08,17.67)	Never	11.99(5.103,25.65)
	Don't know	3.744(2.28,6.09)	3.569(2.159,5.844)	2.771(1.787,4.272)	Don't know	2.836(.6487,11.54)

Delayed intervention/control	Agree a lot	61.26(53.74,68.28)	57.76(50.48,64.72)	53.97(47.8,60.03)	Often	37.74(25.86,51.31)
	Agree a little	11.29(8.65,14.61)	12.09(9.66,15.04)	13.25(11.05,15.8)	Sometimes	33.26(22.17,46.58)
	Disagree a little	7.899(5.644,10.95)	8.832(6.232,12.37)	11.16(8.558,14.44)	Rarely	7.731(3.403,16.62)
	Disagree a lot	15.44(11.97,19.69)	16.21(13.29,19.63)	18.39(15.33,21.89)	Never	14.66(8.739,23.56)
	Don't know	3.412(2.384,4.861)	4.324(2.969,6.257)	2.278(1.599,3.235)	Don't know	6.601(2.936,14.17)

# 3.3.7.7. Male reference group Attitude, Empirical Expectation, Behavior and Normative Expectation on girls Nutrition

### 3.3.7.7.1. Attitude of Male reference group on Adolescent girls Nutrition

Half of male references agree a lot on that Adolescent girls and boys of the same age should have to the same amount of food (48.32%, 53.2% and 53.97%) in the first, triple-combination arm and delayed intervention/control arm. Only four out of ten in the first and delayed intervention/control arm and five out of ten in the triple-combination arm agreed a lot on the issue of Adolescent girls and boys of the same age living with their parents should eat at the same time (45.07%, 52.2% and 48.4%).

Around seventy present of male references in the first, triple-combination arm and delayed intervention/control arm agreed a lot on the idea of adolescent girls and boys in the same household should eat the same type of food (68%,74.43% and 77.65%). More than half of male references in the first, triple-combination arm and delayed intervention/control arm disagreed a lot on that idea of Adolescent girls should eat first before everybody in the family eats(51.6%,58.21% and 57.36%). Likewise, four out of ten (40.65%,40.61% and 45.93%) male references agreed a lot on the issue of adolescent girls should eat after everybody in the family eats.

## 3.3.7.7.2. Empirical Expectation of Male reference group on Adolescent girls Nutrition

Three out ten male reference in all Arm agreed a lot on that most fathers let adolescent girls have the same amount of food as their male siblings or husbands (34.45%, 34.67% and 38.23%). More than One fourth of male references agreed a lot that most fathers let adolescent girls eat at the same time as boys of the same age living with their parents (32.08%, 37% and 35.83%). According to near to half male references (49.59%, 53.74% and 54.56%) response, most fathers let adolescent girls in the community have the same quality of food as their male siblings or husbands.

Equally part of male references disagreed a lot on that most pregnant women usually eat before everybody in the family (49.74%, 58.73% and 58.83%) in the first, triple-combination arm and

delayed intervention/control arm. whereas inversely the male reference agreed a lot on that most pregnant women usually eat after everybody in the family (44.92%, 42.72% and 45.95%) in the first, triple-combination arm and delayed intervention/control arm.

## 3.3.7.7.3. Normative Expectation of Male reference group on Adolescent girls Nutrition

Three out of ten male references agreed a lot on community members expect them to let their adolescent girl in the household eat the same amount of food as her male siblings or husbands (32.51%, 37.21 % and 36.02 %). Although comparable amount of them agreed a lot on community members expect them to let their adolescent girl at the same time as boys of the same age living with their parents (30.04%, 37.71% and 31.58%). And more (45.87%, 49.95% and 51.29%) in the first, triple-combination arm and delayed intervention/control arm agreed a lot on community members expect them to let their adolescent girl in the household have the same quality of food as everybody in the family.

Four out of ten male reference (42.94%, 44.15% and 44.56%) consistently in all Arms disagreed a lot on that community members expect them to let their adolescent girl to eat before everybody in the family.in the same way three out of ten male reference agreed a lot (35.62%, 31.16% and 34.96%) on that community members expect them to let their adolescent girl to eat after everybody in the family.

### 3.3.7.7.4. Behavior of Male reference group on Adolescent girls Nutrition

More than one fourth of male reference revealed that they often let their adolescent girls in their household to eat the same amount of food as boys of the same age (31.11 %, 38.88% and 37.67%).Similarly,( 34.68%) in the double-combination arm, (43.09%) in the triple-combination arm and (38.23%) delayed intervention/control arm agreed a lot on they often let their adolescent girls in their household to eat food/ have meals/ at the same time as boys of the same age living with their parents. More than half of male references respond that they often let their adolescent girls in their household to eat the same type of food as boys in the same household (56.29%, 63.64% and 63.55%).

According to male reference practice, when meals are served in the household Adult men usually eats first (64.36 %, 59.71% and 61.35 %) in the first, triple-combination arm and delayed intervention/control arm respectively. Also, regarding who eats last, (28.43%) in the first, (20.3%)
in the triple-combination arm and (25.65%) delayed intervention/control arm adult women usually eats last when meals are served in the household.

Table 48: Attitude, behavior, empirical and normative expectation of male references on adolescent girl nutrition, August 2016

Nutrition Norms						
Arm	Response	Attitude	Empirical expectation	Normative expectation		Behavior
		601. Adolescent	Fbfibi 621. Most	Fbfibi 632. Community	Response	611. How often do you let
		girls and boys of	fathers let	members expect you to		adolescent girls in your
		the same age	adolescent girls	the household est the		nousehold to eat the same
		same amount of	amount of food as	same amount of food as		the same age?
		food	their male siblings	her male siblings or		the sume age.
			or husbands	husbands.		
		% (95% CI)	% (95% CI)	% (95% CI)		% (95% CI)
Double-	Agree a lot	48.32(42.15,54.53)	34.45 (30.73,38.37)	32.51 (28.33,36.99)	Often	31.11 (27.74,34.69)
combination arm	Agree a little	15.7(13.02,18.82)	36.55 (32.71,40.57)	35.6 (31.11,40.35)	Sometimes	34.38 (31.08,37.84)
	Disagree a little	10.96(8.53,13.96)	14.03 (11.3,17.3)	15.46 (12.43,19.07)	Rarely	19.44 (16.3,23.02)
	Disagree a lot	22.29(18.47,26.65)	14.97 (11.47,19.3)	16.43 (12.77,20.89)	Never	15.07 (12.01,18.75)
	Don't know	2.731(1.764,4.206)	0	0	Don't know	0
Triple-combination	Agree a lot	53.2(46.57,59.72)	34.67 (29.04,40.77)	37.21 (31.65,43.14)	Often	38.88 (34.2,43.77)
arm	Agree a little	18.58(14.33,23.75)	33.96 (28.18,40.27)	35.29 (29.88,41.1)	Sometimes	33.06 (28.62,37.82)
	Disagree a little	10.73(8.089,14.1)	16.61 (11.2,23.92)	13.37 (10.44,16.97)	Rarely	14.2 (11.42,17.52)
	Disagree a lot	14.66(12.08,17.67)	14.18 (9.949,19.8)	12.92 (9.215,17.82)	Never	13.86 (10.15,18.66)
	Don't know	2.771(1.787,4.272)	.4392 (.1802,1.066)	1.205 (.4966,2.894)	Don't know	0
Delayed	Agree a lot	53.97(47.8,60.03)	38.23 (32.79,43.99)	36.02 (31.42,40.89)	Often	37.67 (33.97,41.52)
intervention/control	Agree a little	13.25(11.05,15.8)	30.92 (26.29,35.97)	34.84 (30.96,38.94)	Sometimes	31.64 (28.12,35.38)
arm	Disagree a little	11.16(8.558,14.44)	15.98 (12.88,19.67)	15.34 (12.3,18.98)	Rarely	18.37 (14.82,22.53)
	Disagree a lot	18.39(15.33,21.89)	14.27 (10.65,18.85)	11.98 (8.855,16.02)	Never	12.2 (8.89,16.52)
	Don't know	2.278(1.599,3.235)	.5938 (.2713,1.295)	1.808 (.9043,3.584)	Don't know	.1304 (.0182,.9287)
		602. Adolescent girls	Fbfibi 622. Most	Fbfibi 633. Community		612. How often do you let
		and boys of the same	fathers let	members expect you to		adolescent girls in your
		age living with their	adolescent girls eat	let your adolescent girl at		household to eat food/
		parents should eat at	at the same time as	the same time as boys of		have meals/ at the same
		the same time	boys of the same	the same age living with		time as boys of the same
			their parents	their parents.		age fiving with their
		% (95% CI)	% (95% CI)	% (95% CI)		% (95% CI)
Double-	Agree a lot	45 07(41,73,48,45)	32.08 (28.6.35.77)	30.04 (26.91.33.37)	Often	34 68 (30 75 38 83)
combination arm	Agree a little	31.99(28.18.36.06)	40.95 (37.46.44.54)	41.39 (37.41.45.47)	Sometimes	34.07 (30.2.38.17)
	Disagree a little	12.23(9.479.15.65)	15.54 (12.42.19.28)	16.9 (13.59.20.82)	Rarely	21.57 (18.72.24.72)
	Disagree a lot	10.71(8.05.14.1)	11.3 (8.604.14.7)	11.56 (9.277.14.31)	Never	9.673 (7.797.11.94)
	Don't know	0	.1291 (.03165265)	.1214 (.02745357)	Don't know	0
Triple-combination	Agree a lot	52.2(47.42,56.95)	37 (31.12,43.3)	37.71 (32,43.78)	Often	43.09 (38.23,48.09)
arm	Agree a little	28.39(25.12,31.92)	40.18 (35.12,45.45)	42.31 (37.61,47.15)	Sometimes	30.39 (26.7,34.36)
	Disagree a little	11.45(8.605,15.09)	14.43 (10.81,19)	12.98 (10.14,16.47)	Rarely	18.09 (14.95,21.72)
	Disagree a lot	7.949(5.473,11.41)	7.8 (5.308,11.32)	5.901 (4.079,8.464)	Never	8.224 (6.017,11.15)
	Don't know	0	.5908 (.2258,1.537)	1.102 (.4733,2.546)	Don't know	.1553 (.0218,1.096)
Delayed	Agree a lot	48.4(44.35,52.46)	35.83 (31.04,40.92)	31.58 (27.44,36.03)	Often	38.23 (34.27,42.35)
intervention/control	Agree a little	27.82(24.41,31.5)	37.69 (34.01,41.51)	40.62 (36.76,44.59)	Sometimes	33.2 (29.75,36.85)
arm	Disagree a little	13.52(11.14,16.32)	14.74 (12.23,17.68)	16.38 (13.95,19.14)	Rarely	19.5 (16.91,22.39)
	Disagree a lot	10.15(7.503.13.59)	11.14 (8.493.14.49)	9.932 (7.772.12.61)	Never	8.934 (6.455.12.24)
	Don't know	.1166(.0163,.8288)	.5938 (.2713,1.295)	1.496 (.7893,2.817)	Don't know	.1304 (.0182,.9287)

## Table 49: Attitude, behavior, empirical and normative expectation of male references on adolescent girl nutrition (2), August 2016

Arm	Response	Attitude	Empirical	Normative expectation	Behavior	
		Adolescent girls and boys in the same household should eat	Most fathers let adolescent girls in the community	Community members expect you to let your adolescent girl in the		How often do you let adolescent girls in your household to eat the same
		the same type of food	have the same quality of food as their male siblings or husbands	household have the same quality of food as everybody in the family		type of food as boys in the same household?
		% (95% CI)	% (95% CI)	% (95% CI)		% (95% CI)
Double-	Agree a lot	68(63.51,72.18)	49.59 (44.15,55.03)	45.87(40.08,51.77)	Often	56.29 (50.92,61.52)
combination arm	Agree a little	26.53(23.06,30.3)	38.92 (34.54,43.48)	38.94(34.54,43.51)	Sometimes	29.72 (26.28,33.4)
	Disagree a little	3.883(2.629,5.699)	7.377 (5.557,9.732)	9.57(7.302,12.45)	Rarely	12.7 (10.16,15.77)
	Disagree a lot	1.436(.8533,2.407)	4.05 (2.553,6.365)	5.481(3.726,7.995)	Never	1.284 (.735,2.233)
	Don't know	.1547(.0381,.6252)	.0645 (.0087,.4757)	.1445(.0352,.5904)	Don't know	0
Triple-combination	Agree a lot	74.43(68.14,79.86)	53.74 (46.72,60.6)	49.95(43.42,56.48)	Often	63.64 (56.74,70.02)
arm	Agree a little	19.72(15.64,24.55)	34.9 (30.62,39.44)	35.55(31.06,40.3)	Sometimes	23.73 (19.88,28.07)
	Disagree a little	4.306(2.821,6.52)	7.832 (4.297,13.85)	10.2(6.715,15.21)	Rarely	11.52 (8.254,15.84)
	Disagree a lot	1.541(.9112,2.593)	2.942 (1.525,5.602)	2.987(2.001,4.437)	Never	1.114 (.4806,2.562)
	Don't know	0	.5851 (.2258,1.507)	1.316(.5473,3.131)	Don't know	0
Delayed intervention/control	Agree a lot	77.65(72.61,81.99)	54.56 (48.97,60.03)	51.29(46.4,56.15)	Often	63.55 (57.44,69.25)
	Agree a little	16.28 (13.4,19.65)	32.36 (27.73,37.35)	33.76(29.36,38.45)	Sometimes	23.26 (19.81,27.11)
	Disagree a little	3.561 (2.251,5.589)	8.929 (5.915,13.26)	9.468(6.736,13.15)	Rarely	11.55 (8.44,15.6)
	Disagree a lot	2.32(1.484,3.61)	3.768 (2.532,5.573)	3.91(2.772,5.489)	Never	1.439 (.8323,2.475)
	Don't know	.1848(.0443,.7676)	.3919 (.1483,1.032)	1.578(.83,2.979)	Don't know	.207 (.0511,.8343)
		609. Adolescent girls should eat first before everybody in the family eats	630. Most pregnant women usually eat before everybody in the family	640. Community members expect you to let your adolescent girl to eat before everybody in the family.		619. When meals are served in the household who usually eats first?
	_	% (95% CI)	% (95% CI)	% (95% CI)		% (95% CI)
Double-	Agree a lot	6.043(4.378,8.285)	6.291(4.675,8.415)	7.288(5.377,9.808)	Adult men	64.36 (59.26,69.15)
combination arm	Agree a little	13.77(11.3,16.67)	17.21(14.74,20)	21.17(17.19,25.79)	Adult women	.4946 (.1657,1.467)
	Disagree a little	28.32(24.32,32.69)	26.36(22.24,30.95)	28.35(24.91,32.06)	Adult men and boys	7.21 (4.832,10.63)
	Disagree a lot	51.6(46.62,56.55)	49.74(44.17,55.31)	42.94(38.33,47.67)	Adult men and women	3.059 (1.965,4.732)
	Don't know	.2721(.0841,.8769)	.2714(.0862,.8512)	.2526(.0743,.8553)	Everyone	22.89 (18.23,28.34)
Triple-combination arm	Agree a lot	6.098(4.459,8.288)	4.366(2.899,6.525)	12.06(8.877,16.17)	Adult men	59.71 (54.63,64.59)
	Agree a little	10.22(7.795,13.29)	12.77(10.08,16.05)	19.16(15.22,23.84)	Adult men and boys	8.016 (5.527,11.49)
	Disagree a little	25.24(21.04,29.97)	23.49(19.28,28.29)	23.5(19.91,27.51)	Adult men and women	4.112 (2.333,7.146)
	Disagree a lot	58.21(51.65,64.5)	58.73(52.85,64.38)	44.15(37.77,50.73)	Male children	1.855 (1.008,3.388)
	Don't know	.2267(.072,.7111)	.643(.2817,1.461)	1.067(.5242,2.161)	Everyone	22.45 (17.97,27.69)
Delayed intervention/control arm	Agree a lot	5.01(3.45,7.222)	4.551(2.809,7.293)	11.8(9.26,14.92)	Adult men	61.35 (58.17,64.44)
	Agree a little	13.88(10.62,17.94)	13.51 (10.59,17.09)	20.96(16.99,25.56)	Adult men and boys	7.994 (6.329,10.05)
	Disagree a little	23.54(21.08,26.2)	22.92(20.36,25.69)	22.13(19.71,24.75)	Adult men and women	3.437 (2.081,5.625)
	Disagree a lot	57.36(51.94,62.6)	58.83(53.84,63.64)	44.56(39.03,50.23)	Male children	1.955 (1.198,3.173)
	Don't know	.2124(.0484,.9272)	.1895(.0443,.8068)	.56(.2583,1.21)	Everyone	21.78 (18.48,25.48)

Table 50: Attitude, behavior, empirical and normative expectation of male references on adolescent girl nutrition (3), August 2016

Arm	Response	Attitude	Empirical expectation	Normative expectation	Behavior	
		610. Adolescent girls should eat after everybody in the family eats	631. Most pregnant women usually eat after everybody in the family	641. Community members expect you to let your adolescent girl to eat after everybody in the family.		620. When meals are served in the household who usually eats last?
		% (95% CI)	% (95% CI)	% (95% CI)		% (95% CI)
Double-	Agree a lot	40.65(34.87,46.69)	44.92(38.07,51.97)	35.62(30.41,41.19)	Adult men	.8914 (.4283,1.846)
combination arm	Agree a little	29.46(25.76,33.46)	29.68(25.66,34.03)	32.31(29.06,35.75)	Adult women	28.43 (24.15,33.14)
	Disagree a little	17.4(14.3,21.01)	14.3(10.84,18.64)	17.91(14.65,21.72)	Male Adolescent	.4968 (.1656,1.481)
	Disagree a lot	12.35(9.661,15.67)	11.01(8.909,13.53)	14.02(12.11,16.17)	Female Adolescent	10.65 (7.552,14.8)
	Don't know	.1334(.0188,.9389)	.092(.0127,.6653)	.1372(.0333,.5637)	Adult men and boys	.2153 (.0685,.6743)
					Adult women and girls	26.52 (21.2,32.62)
					Adult men and women	1.705 (.8219,3.504)
					Male children	2.387(.921,6.045)
					Female children	3.531(2.354,5.265)
					Everyone	24.07(19.61,29.17)
					Others	1.106(.4071,2.971)
Triple-combination	Agree a lot	40.61(35.19,46.26)	42.72(37.31,48.32)	31.16(25.88,36.98)	Adult men	.9694 (.4761,1.964)
	Agree a little	23.85 (20.58,27.47)	31.93(27.7,36.49)	29.68(25.48,34.25)	Adult women	20.3 (16.06,25.32)
	Disagree a little	15.6(12.56,19.22)	11.03(8.973,13.49)	17.72(14.07,22.07)	Male Adolescent	.1633 (.0396,.6711)
	Disagree a lot	19.87(14.84,26.08)	14(9.745,19.71)	20.4(15.95,25.71)	Female Adolescent	17.57 (13.78,22.13)
	Don't know	.0683(.0092,.5036)	.3098(.0819,1.164)	.8475(.3556,2.006)	Adult men and boys	2.036 (.5185,7.651)
					Adult women and girls	21.29 (16.81,26.58)
					Adult men and women	1.328 (.4553,3.809)
					Male children	3.829(1.923,7.477)
					Female children	5.587(3.771,8.203)
					Everyone	24.36(19.69,29.73)
Delayed	Agree a lot	45.93(41.58,50.34)	45.95(40.64,51.36)	34.96(30.63,39.54)	Adult men	1.646 (.931,2.893)
intervention/control arm	Agree a little	24.25(21.59,27.13)	30.98(27.64,34.53)	27.79(24.15,31.75)	Adult women	25.65 (21.03,30.9)
	Disagree a little	15.77 (12.65,19.49)	12.85(10.48,15.68)	18.19(15.56,21.16)	Female Adolescent	21.3 (17.08,26.22)
	Disagree a lot	14.05(11.32,17.31)	10.13(7.856,12.97)	18.52(14.96,22.69)	Adult men and boys	1.47 (.8073,2.663)
	Don't know	0	.0797(.0109,.5819)	.5482(.2057,1.452)	Adult women and girls	18.19 (15.16,21.69)
					Adult men and women	2.36 (1.381,4.004)
					Male children	1.776(1.017,3.085)
					Female children	3.488(2.262,5.343)
					Everyone	22.75(19.16,26.8)
					Others	1.243(.6835,2.249)

## 4. Best practices and Lessons learnt

- Informing government stakeholders about aim and field work activities in the woredas during the preparation phase allowed research team to gain easy access to the study community
- Approaching the community through influential community figures, such as religious leaders, allowed sincere reception of field team by the community which facilitated data collection activity.
- Closer observation of the community was possible while field team had to spend days inside the community to complete the data collection
- Mobilizing three teams, instead of one, in some clusters was necessary to expedite the data collection due security alerts
- Data collection in Ramadan fasting season has shown to be a challenge. Most of the respondents were not comfortable to be interviewed in the afternoon which required rescheduling of the interview to morning hours only. In addition, respondents in some clusters were sensitive to some of the questions about reproductive health.
- Mobilizing field team early in the morning was needed to locate household heads, especially male reference groups, before they went out to their farms

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