

## ABSTRACT

**Background:** Maternal and child mortality is prevailing in SSA where Ethiopia is located. While it is revealed that promotion of contraception can avert 32% of all maternal deaths and 10% of childhood deaths; every year in SSA, about 14 million unintended pregnancies occurs and a sizable proportion is due to poor use of short-term hormonal methods. During the postpartum period, delay in initiating contraception is common and a sizeable number of women became pregnant before they return to health facilities to take modern FP methods and for this reason there is promotion of LARCs use in the immediate postpartum period. However, in Ethiopia only 10% of currently married women uses LARC, and small proportion of them use it in immediate postpartum period. In Addis Ababa only 22.6% of currently married women use LARCs. The main objective of this study was to measure the magnitude and to identify factors associated with use of LARC in the immediate postpartum period in Addis Ababa, Ethiopia.

**Methods:** Institution based cross sectional study with internal comparison having both descriptive and analytic component was conducted in Addis Ababa public health facilities from Jan 1, 2019 to April 30, 2019. Three public hospitals and 9 public health centers were selected using simple random sampling; and 693 women who gave birth in the selected health facilities in the past 48hours before the survey and lived at least 1 year in the city prior to the survey were nominated with systematic random sampling and involved in the study. Data was entered and analyzed using Epi Info Version 7 and SPSS Version 20. Frequencies and binary logistic regression were done. Factors affecting use of LARC during the immediate postpartum period were determined using multivariate logistic regression.

**Result:** A total of 17.5 % of women used LARC during the immediate postpartum period. Attitude towards LARC use in the immediate postpartum period (AOR = 3.42, 95% CI: 1.96, 5.98), place of delivery (AOR = 3.29, 95% CI: 1.41, 7.66), knowing, before the recent delivery, that IUCD can be inserted within 48hr postpartum (AOR = 0.31, 95% CI: 0.11, 0.89), knowing, before the recent delivery, that IUCD can be inserted within 48hr postpartum (AOR = 0.29, 95% CI: 0.11, 0.76) and husband attitude towards LARC use (AOR= 3.26, 95 % CI: 1.46, 7.29) were found to have statistically significant association with LARC use during the immediate postpartum period.

**Conclusion:** LARC use during the immediate postpartum period is low in the study facilities. Attitude of mothers towards immediate postpartum LARC use, place of delivery and husband attitude towards LARC were found to be a very important factors associated with LARC use in the immediate postpartum period among others. Besides counseling about LARC during labor and immediate postpartum period; integrating FP service with ANC service with improvement on the coverage of FP counseling and its quality, focusing on improving mothers knowledge and decision on immediate postpartum LARC use; and

providing health education using various medias and BCC services to the mother, husbands and the community at large on importance of using LARC during the immediate postpartum period are some of the areas where much work is needed to improve LARC use during the immediate postpartum period.

**Keywords:** LARC, immediate postpartum period, public health facilities, Addis Ababa, Ethiopia

## INTRODUCTION

### **1. The problem to be studied, definition of the problem, concepts and issues**

World Health Organization recommends that a woman wait at least 24 months after a live birth before attempting the next pregnancy in order to reduce the risk of adverse maternal, perinatal and infant outcomes [1]. During the postpartum period, delay in initiating contraception is common [2]. However, some women may begin to ovulate within 4 to 6 weeks after delivery and most women may not initiate contraception in a timely fashion and are likely to be at greater risk of unintended pregnancy [1]. Family planning can avert more than 30% of maternal deaths and 10% of child mortality if couples space their pregnancies more than 2 years apart [3]. Long-acting reversible contraception (LARC) includes IUDs and implant. These methods are the most effective reversible methods of contraception. LARC methods are ‘forgettable’; they are not dependent on compliance with a pill-taking regimen, remembering to change a patch or ring, or coming back to the clinician for an injection [4]. There are many advantages to LARC provision in the immediate postpartum period. The ACOGs’ clinical management guidelines state that “The immediate postpartum period is a particularly favorable time for IUD or implant insertion” [5].

### **2. Magnitude of the problem**

An estimated 303,000 maternal deaths occurred worldwide in 2015, a 43.9% decline from the levels of 1990. Despite this decline, developing countries continued to account for 99% of the deaths [6]. The vast majority of maternal and newborn deaths can be prevented with proven interventions to ensure that every pregnancy is wanted using modern contraceptive and every birth is safe [7]. Every year in SSA, a sizeable number of unintended pregnancies occurs due to poor use of short-term hormonal methods. If 20% of the 17.6 million women who were using oral or injectable contraceptives switched to implants, over 1.8 million unintended pregnancies could be averted over a 5-year period [8]. Despite the benefit of initiating FP, especially LARC, in the immediate postpartum period, findings from DHS shows that in 17 of the 43 countries, fewer than 10% of women reported using any method of FP within 2 months of delivery [1]. The 2015 target of MMR for Ethiopia was 218/100000 live births. Conversely the 2016 EDHS reported MMR of 412/100000 live births, which is very far from the target. Under- 5 mortality rate was also high, 67/1000 live births [9]. Although it was indicated that the use of family planning could decrease maternal and childhood deaths [3], only a small proportion (35%) of currently married women in Ethiopia uses modern FP methods & LARC contributes only 10%. In Addis Ababa, 50.1% of

currently married women uses modern FP methods & LARC contributes only 22.6%. In Ethiopia, 22% of currently married women have an unmet need for FP, and the 12 month contraceptive discontinuation rate for all methods was 35%. Among the modern FP methods, the highest discontinuation rate was for pills (70%), followed by injectables (38%). In contrast, IUD and implants have a discontinuation rate of 13% and 11% respectively [9].

### **3. Risk factors generally and in the specific context**

In low-resource countries it has been estimated that 222 million women have unmet need for contraception. Numerous reasons explain this, such as lack of knowledge about contraceptive options and their use; limited choice of methods available; limited access to family planning services; fear or experience of side effects; cultural, religious or partners' opposition; poor quality of available services; gender-based barriers; and health concerns [10, 11]. Although IUD and implant insertion in the postpartum period is highly favored, many barriers of insertion exists such as failure to return for postpartum follow up, lack of knowledge by women and provider, inadvertent early pregnancy, cost and myths and misconceptions about LARCs [10, 12, 13].

### **4. Rationale for the study**

Short inter-pregnancy intervals can result in maternal anaemia, abortion, third-trimester bleeding, premature labour, postpartum hemorrhage, puerperal endometritis, low birth weight babies, fetal loss, and infant and maternal death [2, 14, 15]. Compared with other user-dependent methods that increase the risk of noncompliance related method failure, LARC methods can bring 'typical use' failure rates more in line with 'perfect use' failure rates [16]. A study done in Nairobi showed that sexual resumption occurred earlier than that of menstruation [17]. Hence promotion of LARC use in the immediate postpartum period can help in the prevention of early conception. While determinants of LARC use in the immediate postpartum period have been extensively searched in most parts of the world, there are very few rigorous research efforts to try to elucidate the matter in Ethiopia including the capital Addis Abeba. This study will complement the few studies done in Ethiopia and will be an input to bring a positive change on utilization of LARC in the immediate postpartum period in Addis Ababa in particular and in Ethiopia in general.

Furthermore the study will help as a reference and baseline for future researches' in the field.

## **LITERATURE REVIEW**

### **1. The problem to be studied, definition of the problem, concepts and issues**

**1.1. Definition of the problem:** Immediate postpartum LARC refers to the insertion of a

contraceptive implant or intrauterine device while a woman is hospitalized for delivery [18].

**1.2. Concepts and issues regarding the problem:** Worldwide, 41% of all pregnancies are unintended [19]. Short interpregnancy intervals are associated with adverse perinatal outcomes and postpartum contraceptive counseling may play a role in decreasing the problem [20]. LARCs are around 20 times more effective than any other type of reversible birth control methods [16]. Although women may plan to begin a method at the 6 week visit, ovulation can occur as early as 3 weeks postpartum and can lead to unintended pregnancies. Given limitations of interval LARC insertion, immediate postpartum LARC insertion has distinct advantages and it is also safe [21]. It does not increase risk of infection, uterine perforation, prolonged postpartum bleeding, or breastfeeding difficulties [18]. Moreover, the immediate postpartum period provides an ideal opportunity for contraceptive initiation. Despite the advantages of LARC use in the immediate postpartum period a significant portion of mothers are still not using the service in Ethiopia [9].

## **2. Magnitude of the problem**

### **2.1. Magnitude of the problem – Globally**

The global MMR fell from 385 deaths per 100,000 livebirths in 1990, to 216 in 2015. Regional MMRs for 2015 ranged from 12 deaths per 100,000 livebirths for high-income regions to 546 for SSA. Accelerated progress to reduce MMR will be needed to achieve the SDGs [6]. Ethiopia, one of the SSA countries, has high MMR which is 412 deaths per 100,000 live births [22]. There is a strong link between low utilization of family planning services and high maternal and child mortality [3]. Postpartum women are among those with the greatest unmet need for FP. Yet they often do not receive the services they need to reduce unintended pregnancy and its consequences [3]. Besides, studies mentioned under showed that a significant number of women have not been using modern FP methods including LARC, particularly in the immediate postpartum period.

### **2.2. Magnitude of LARC use (including immediate postpartum use) in different countries:**

In US till 2013 LARC placement during delivery was rare (13.5/10,000 deliveries in 2013) [18]. In a study done in 6 countries PPIUD acceptors in the immediate postpartum period ranged from 2.3% of women counseled in Pakistan to 5.8% in Philippines [23]. In Thailand study found postpartum LARC use of 73.7% in the immediate postpartum counseling group and 42.6% in the conventional postpartum counseling group [24]. In a study done in India, 4209 women were counseled of whom 18.5% accepted insertion of IUD in the immediate postpartum period [25]. Another study in India found 18.8% acceptance rate of PPIUCD in the immediate postpartum

period [26]. In Kenya, study found an uptake of 50.3% for immediate postpartum implants [27].

### **2.3. Magnitude of LARC use, including in the immediate postpartum period, in Ethiopia**

A study done in public health facilities of Sidama Zone, Ethiopia, found a 21.6% IUCD use within 48hr of delivery [28]. In Adama, Ethiopia, study found a 27.9% acceptance rate of LARCs (22.0% uses implant and 5.95% uses IUD) [22]. A study done in Mekelle, Ethiopia, found a 16.4% prevalence of LARCs use [29]. In Jimma town, Ethiopia, study found that 22.9% of respondents were currently using LARCs (82.98% using implant and 17.02% IUCD) [30].

### **3. Causes of the problem: actual or perceived**

Despite having contraceptive and non-contraceptive benefits, LARC methods are underutilized globally. The reasons for underutilization are lack of knowledge among women about LARC, dependence on the provider for information, women's misconceptions and misinformation, higher cost of the method and the placement procedure, provider bias against the method, provider experience and interest as well as patient interest, method acceptability and expectations about use, shortage of trained providers and fear about side effects [10, 14, 16, 31, 32].

### **4. Risk factors, determinants**

#### **4.1. Risk factors, determinants identified by researches' done globally:**

Various studies from many parts of the world identified factors that lead to low utilization of LARC overall and in the immediate postpartum period. The Primary barriers to LARC use cited included cost, provider experience and interest, and patient interest. Women with high IUD knowledge were 6 times more likely to be current LARC users. Parity and a history of stopping non-LARC hormonal use were strongly associated with use of LARC and use of LARC was higher in the hospital that offered immediate postpartum provision. Not wanting a foreign object in body; preferring a "controllable" method; and not being in a long-term relationship were other barriers for LARC use [16, 33, 34, 35]. In Australia a history of pregnancy was strongly associated with increased odds of LARC use [36]. Another studies identified political, religious, ethical, safety concerns, lack of healthcare provider knowledge or skills, dependence on the provider for information, and myths and misconceptions as a major barriers [13, 37, 38].

#### **4.2. Risk factors, determinants identified in some specific Asian countries:**

In India study found higher PPIUD acceptance in para-2, age group of 21-25 years and educated

clients [26]. Another study in India found higher PPIUD acceptance in para-1, educated clients and age group of 21-29 years [14]. In Sirilanka women who were counselled in hospital antenatal clinics and admission wards were more likely to have PPIUD inserted than those counselled in field clinics or during home visits [1]. In Thailand study found immediate postpartum counseling as a significant predictive factor for LARC use in postpartum adolescents [24].

#### **4.3. Risk factors, determinants identified by researches' done in some African countries.**

In Ghana study found higher LARCs use by women with more living children and who used LARCs previously [39]. In Nigeria the demand for implanon increased after free service began [40]. In Uganda study found more implant use in the immediate than the delayed group [41]. In a study done in Kenya, women with above 4 years of contraceptive need were over 3 times more likely to choose an implant. Women with health concerns over short-acting hormonal methods; and who had difficulty returning to a clinic were about twice as likely to choose an implant [42].

#### **4.4. Risk factors, determinants identified by researches' done in Ethiopia:**

In Sidama Zone study found that mothers who had a plan to have another child, with undecided plan to have another child, who didn't heard about PPIUD and who are not counselled about PPIUD were less likely to use PPIUD than their counterparts [28]. In Adama study found that women with 25-34 years of age were less likely to accept LARCs; government employees, whose husband/partner had supportive attitude for LARC use, who travels over 30 minutes to health facility, who use LARC before and who discussed with husband/partner were more likely to use LARCs [22]. Another studies done in Ethiopia found a significant association of LAPMs use with ever use, frequency of discussions made on methods and when both husband and wife were descision makers; mothers who had knowledge were 8 times and mothers who had 2 or more pregnancies were 3 times more likely to use LAPMs than their counterparts' [7, 43].

Women with supportive attitude had 2 times more likely to accept LARC than their counterparts [29]. In Debre markos town study found that the demand for LAPMs was associated with being age group 40-44 years, no desire for more children, desire to have a child after 2 years, not ever heard of modern FP, not ever used of modern FP and no spousal discussion in the last six month [44]. In Debretabor town study found that the demand for LACMs was associated with being a daily labour, being a student, no future birth intensions, having 5 or more children, deciding with husband and having discussion with husband. Poor client treatment by the health care providers

during service provision was negatively associated with the demand for LACMs [45]. In Aksum study found that women educated to secondary level were more likely to use LAPMs. Being a daily laborer, husband's negative attitude, no discussion with husband, low knowledge on LAPMs and negative attitude to LAPMs were significantly associated with not using LAPMs [46]. Another studies done in Ethiopia found a significant association of LARC use with being literate, previous LARC use, receiving counseling service on LARC during delivery or immediate postpartum period, spousal discussion, spousal approval and family size [8, 47].

### **5. Discussion of methodological issues**

A facility based cross sectional study having both analytic and descriptive component can give as a very good picture of the magnitude and factors associated with utilization of LARC in the immediate postpartum period. This facility based approach for this particular topic of research is the best approach as it can be generalized to the population of childbearing mothers who gave birth in health facilities. This study is not type of a research that has a gross ethical challenge. However to fulfill the obligation, ethical clearance will be obtained from responsible bodies before the commencement of the research, and any ethical issues will be handled accordingly.

### **6. Rationale of the proposed study:**

In the immediate postpartum period, there is an opportunity to provide women with contraception they may not otherwise obtain. Data demonstrate a global disparity in family planning services among women in the first year following delivery. Improving access to LARCs immediately postpartum has the potential to improve this gap [48]. To be most effective, postpartum contraception should be provided prior to leaving place of delivery. For many women, especially in low- and middle-income countries, the next health care encounter may only happen with the next pregnancy. Waiting to discuss and provide contraception until 4-8 week postpartum visit may be too late [49]. Rates of uptake of LARCs in the immediate postpartum period remain low and we know little about the motivators and disincentives to use LARC in the immediate postpartum period in the study area and Ethiopia in general. Hence this research will help to identify factors associated with utilization of LARC methods in the immediate postpartum period in the study area and the results, conclusion and recommendations of the study will be used to help to address problems identified in the study area. In addition the study can be used as a reference and baseline for future researches' in the field.

## **OBJECTIVES**

### **1.General Objective:**

To assess the status of Long Acting Reversible Contraceptive at the immediate postpartum period in Addis Ababa Public Health Facilities, Ethiopia

### **2. Specific Objectives:**

- a) To measure the prevalence of utilization of Long Acting Reversible Contraceptives at the immediate postpartum period among mothers who gave birth in Addis Ababa Public Health Facilities, Ethiopia.
- b) To identify factors associated with utilization of Long Acting Reversible Contraceptives at the immediate postpartum period among mothers who gave birth in Addis Ababa Public Health Facilities, Ethiopia.

## METHODS

### 1. Study Setting:

Addis Ababa is the capital city of Ethiopia. The City is subdivided in to 10 subcity and it has a population of 3,515, 678 out of which 1,675,209 of them are male and 1,840,469 are female. Out of the total population childbearing mothers comprises 34.64% (1,217,831). Out of the currently married women 50.1% of them are using modern family planning methods (the 22.6% are using LARCs). Out of pregnant mothers in Addis Ababa 96.8% of them got ANC service by skilled provider and 96.6 % of mothers gave birth in health institutions according to EDHS 2016. The main climatic condition of the city is “Dega”. Most people are economically dependent on private employment. About 85% of peoples are literate. There are 11 government hospitals, 96 functional governmental health centers, 36 private hospitals and more than 700 different kinds of private and NGO clinics and the potential health service coverage of the city is **100%**.

**2. Study design:** Cross sectional facility based survey with internal comparison having both descriptive and analytic component was used.

**3. Source population:** All women who gave at least one birth in Addis Ababa Public health facilities.

**4. Actual study population:** A randomly selected women who had given birth in Addis Ababa Public health facilities in the study period.

### 5. Inclusion criteria:

- All women who had given birth in Addis Ababa Public health facilities during the study period.

### 6. Exclusion criteria:

- Women who gave birth in the study period but not in Addis Ababa.
- Women who were not residents of Addis Ababa at least for the past one year.
- Women who are mentally or physically ill and not capable to be interviewed.

## 7. Sample size

**Table1: Sample size calculation**

| Objective | Key proportion/s                                                                                                                                                                                                                                                                                              | Source                                                                                                                                                                                       | Assumptions     |       |     |               |                   | Sample Size |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------|-----|---------------|-------------------|-------------|
|           |                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                              | Margin of error | Power | CI  | Design Effect | Non-response rate |             |
| 1         | Proportion of women who used LARC in the immediate postpartum period in Ethiopia = 3.8%                                                                                                                                                                                                                       | Pfizer A, et al. A facility birth can be the time to start family planning: Postpartum intrauterine device experiences from six countries. Int J Gynecol Obstet. 2015;2: S54–6.              | 4%              |       | 95% | 1.5           | 10%               | 146         |
| 1         | Proportion of women who used LARC in Addis Ababa = 22.6%                                                                                                                                                                                                                                                      | EDHS 2016                                                                                                                                                                                    | 4%              |       | 95% | 1.5           | 10%               | 693         |
| 2         | Have ever used LARC before as a factor: a 1:3.15 ratio of ever using LARC to not ever using LARC and 19.8% and 53.5% utilization of LARC by those women have never used LARC before and who have used LARC before respectively                                                                                | Ebrahim Mohammed, et al. Acceptance of LARC Methods and Associated Factors Among Reproductive Age Women in Adama Town, Ethiopia. Clinical Medicine Research. Vol. 6, No. 2, 2017, pp. 53-63. |                 | 80%   | 95% | 1.5           | 10%               | 157         |
| 2         | Discussion with husband as a factor: a 1:5.56 ratio of those women who discussed with their husbands to those who didn't discuss with their husbands and 11.5% and 52.8% utilization of LARC by those women who discussed with their husbands and those who didn't discussed with their husbands respectively | Sahilemichael A et. al (2015) Determinants of LARC Use among Child Bearing Age Women in Dendi District, Western Ethiopia. J Women's Health Care 4: 242.                                      |                 | 80%   | 95% | 1.5           | 10%               | 129         |
| 2         | Number of children as a factor: a 1:1.1 ratio of those women who has 1- 2 child to those who had > 5 children and 38% and 5.6% utilization of LARC by those women who has > 5 children to those who had 1-2 children respectively                                                                             | Sahilemichael A et. al (2015) Determinants of LARC Use among Child Bearing Age Women in Dendi District, Western Ethiopia. J Women's Health Care 4: 242.                                      |                 | 80%   | 95% | 1.5           | 10%               | 101         |

NB: All sample sizes were calculated using Epi Info version 7. Finally considering representativeness and feasibility, the largest sample size which is 693 was selected for this study. The following formula had been used to determine sample size that gives the highest selected sample size (one single proportion has

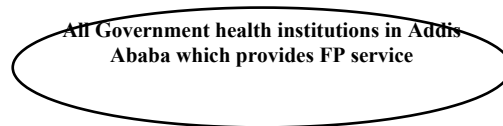
been used) i.e. for objective 1:

$$n = (Z_{1-\alpha/2})^2 p (1-p)/d^2$$

Where n is the sample size, d is margin of error, p is the estimate of key proportion,  $Z_{1-\alpha/2}$  (reliability coefficient) = 1.96 for 95% CI where  $\alpha = 5\%$ .

### 8. Sampling procedures:

Both public and private health facilities are providing family planning services in the town. Purposively, for this study only governmental health facilities were be considered.



**Systematic Random Sampling**

**Figure1: Sampling procedure**



## **9. Data collection procedures**

**Data source:** A Face-to- face individual interview technique was used to collect data (interviewer administered questionnaire). Interviewer will make some observations to answer few parts of the questionnaire.

**Data collection tool:** A pre-tested structured questionnaire which is used in previous studies and adapted according to the facts obtained from literature review was used. It was translated to local language (Amharic) to facilitate the interview and collect a quantitative data.

**Who collected the data:** The data was collected by female midwives and nurses working in different departments of the health institution; and who can read and fluently speak Amharic language.

**Where data was the data collected:** The data was collected in the labor ward and postpartum (maternity) wards where women in postpartum period were found.

**When was the data collected:** The data was collected from Jan. 1, 2019 to April 30, 2019. The women were be interviewed immediately on the decision of discharge if to be discharged before 48hours of delivery and if not discharged within 48hrs of delivery just at the 48<sup>th</sup> hour of delivery.

**Data quality control:** Training was given for data collectors by the principal investigator, which was complemented by practical session. The training focused on the objective of the study, on techniques of survey interviewing using the questionnaire, on ways of approaching respondents including how to keep privacy during interviewing, on confidentiality, and on the overall data collection procedures. Supervisors who will comprise, health officers and BSc nurses were trained on the data collection procedures like that of data collectors in addition they were provided training on supervision techniques. The data collectors submitted the collected data to their supervisors and principal investigator on daily basis and it was checked for the completeness of the data. When the data is found incorrectly filled or when there are missed data, the supervisor and principal investigator discuss with the data collector and give suggestion on correction. The data collector will correct according to the suggestion given by her supervisor and principal investigator using the same questionnaire.

Furthermore, pre - testing of the modified questionnaire (the standard questions was not changed but only the few new questions which addresses those factors which were not addressed in the available standard questionnaire) was be conducted, before the actual data collection date, in one health facility which was not selected in the study. Accordingly correction was be made and the final version of the questionnaire was used for the main data collection.

## **10. Operational definitions**

**Family planning:** Refers to a conscious effort by a couple to limit or space the number of children they have through the use of contraceptive methods.

**Unmet need for family planning:** Refers to fecund women who are not using contraception but who wish to postpone their next birth (spacing) or stop childbearing altogether (limiting).

**Immediate postpartum period:** The period between delivery of the newborn and placenta till the first 48 hours after birth.

**Early postpartum:** The six weeks after a birth.

**Extended postpartum:** The 12 months after a birth.

**Long Acting Reversible Contraceptives methods:** Includes IUCD and Implants.

**Maternal Mortality:** The death of a woman while pregnant or within 42 day of termination of pregnancy, irrespective of the duration and site of the pregnancy, from any cause related to or aggravated by the pregnancy or its management but not from accidental or incidental causes (WHO).

**Child mortality:** the probability of dying between the first and the fifth birthday per 1,000 children surviving to age 12 months.

**Knowledgeable:** Those women who will score above the mean or median of knowledge questions will be considered knowledgeable about LARC methods and danger of short interpregnancy intervals and not knowledgeable if otherwise.

**Favourable attitude:** Those women who will score above the mean or median on attitude questions will be considered as having favourable attitude towards utilization of LARC and unfavorable attitude if otherwise.

## **11. Data Management:**

Information was pre coded, the data was checked for errors, and missing values were dealt with (that is, items that should have been completed during the course of the data collection but were not, either because of respondent inability, refusal or interviewer error). Categorization was made for those data that were not pre-categorized. Coded data was entered using Epi Info version 7 and it was exported to SPSS version 20 for data cleaning i.e. to be checked for errors, impossible or implausible values and inconsistencies that may be due to recording, measurement, coding, or data entry errors. Recoding was made accordingly. Furthermore verification was done by printout for checking visually for obvious errors such as incorrect codes, extremely long or short lines, blanks that should not be there, alphabetic codes

where numbers are expected and others. Data was stored in a computer and more than one backup was kept by a disk and hard copy accordingly.

## **12. Data Analysis procedures:**

After coded data entered, cleaned and verified analysis was done using SPSS version 20. Frequency and measure of variations was used to describe the study population in relation to the dependant and independent variables collected. Chi-square ( $\chi^2$ ) test and binary logistic regression tests was employed to check associations. Multivariate logistic regression model was done to control for confounders and to identify the predictors/factors associated with of safe delivery service utilization. Odds ratio with 95% confidence interval (statistical significance was declared at  $P < 0.05$ ) was used to show the significance of the association. The results were then presented using absolute numbers, proportions, ratios, medians, mean, chi square tests, odds ratio and confidence interval. Tables and graphs were also produced.

## **13. Variables (Dependent and Independent variables)**

**Dependent (outcome) variable:** Utilization of either of the LARC methods in the immediate postpartum period.

### **Independent variables:**

- **Socioeconomic and demographic factors:** Religion, ethnicity, marital status at most recent birth, age at marriage, maternal Age, women's education, paternal/husbands education, women's occupation/more skilled jobs, husbands occupation/more skilled jobs, status of the woman/Income, presence of promoters, media exposure (information obtained).
- **Cultural factors:** Cultural (perceptions of the danger of short interpregnancy interval, traditional view on utilization of family planning in general and LARC in particular), decision power of women/women's autonomy, myths and believes about LARCs, discussion with husband, and partner's feeling toward use of LARCs.
- **Reproductive status:** Parity, number of live children, previous unsatisfactory experience with the health care system, ANC visits, frequency of counseling on FP including LARC methods, previous exposure to family planning methods including LARCs, future intention in using LARCs
- **Access to health services including quality of care (can be considered as ENABLING factors among others):** Location of health services/in Km or hour, cost for LARC, quality of health services/perceived low quality of care (**Client satisfaction:** for time spent by health worker,

cleanliness of place & instruments, availability of essential drugs and supplies, respect & comfort, and competency of health workers or clinical mismanagement & shortages of qualified staff),

- **Health care behavior/use of health service Predisposing factors:** Clinical need, preference of community solutions to family planning needs, lack of understanding of danger of short interpregnancy interval, Knowledge about LARCs, perceived similarity in traditional and modern contraceptives, beliefs and attitudes of mothers about health facilities & family planning services including LARCs, perception of mothers about the importance utilization of immediate postpartum family planning including LARCs.

#### **14. Ethical consideration**

The study was conducted after getting approval of the proposal from ethical review committee of Saint Paulos Hospital Millennium Medical College and Addis Ababa health bureau. Involvement into the study was on the basis of an informed consent that was obtained from each respondent and action was taken to assure the confidentiality of information.

#### **15. Dissemination of results**

The findings of this study will be disseminated to Addis Ababa Health Bureau, Saint Paulos Hospital Millennium Medical College and Federal Ministry of Health using hardcopy. The findings will also be presented in various meetings that will be conducted especially in association with Addis Ababa Health Bureau and/or Saint Paulos Hospital Millennium Medical College. The investigator will also facilitate workshops to communicate sub city officials and community representatives. Ways of translation of the study results into application will be discussed with all responsible bodies (priority will be given for those problems that can be solved at the community and regional level). Efforts will be made to publish it in a scientific journal.

## Result

### Socio demographic characteristics

A total of 693 mothers who gave birth in the past 48 hours prior to the survey were interviewed, out of the 693 women included in the sample, giving a response rate of 100%. All mothers were living in Addis Ababa city at least for the past one year and getting ANC follow up in the city health institutions. Out of the respondents 305 (44%) of them were in the age range of 25-29 years with mean age of 27.2 year ( $\pm 4.7$  years) and 301 (43.4%) them belong to Amhara ethnic group. About 282 (40.7%) of respondents were educated to the level of elementary school, 656 (94.7%) were married and 434 (62.6) of the women were housewives by occupation. Regarding religion 467 (67.4) of them were Orthodox and 170 (24.5) of them were Muslim religion followers (Table 1).

**Table1.** Selected Socio – demographic characteristics of respondents who gave birth (N = 693) in Addis Ababa Public Health Facilities, Ethiopia, Jan, 1/2019 to Apr. 30/2019

| Variables                                     | Number | Percent (%) |
|-----------------------------------------------|--------|-------------|
| <b>Age of respondents (n=693)</b>             |        |             |
| 15-19                                         | 18     | 2.6         |
| 20-24                                         | 173    | 25          |
| 25-29                                         | 305    | 44          |
| 30-35                                         | 159    | 22.9        |
| 35+                                           | 38     | 5.5         |
| <b>Ethnicity of respondents (n=693)</b>       |        |             |
| Amhara                                        | 301    | 43.4        |
| Oromo                                         | 140    | 20.2        |
| Gurage                                        | 155    | 22.4        |
| Tigre                                         | 30     | 4.3         |
| Silte                                         | 49     | 7.1         |
| Others                                        | 18     | 2.6         |
| <b>Respondents Educational status (n=693)</b> |        |             |
| Unable to read and write                      | 44     | 6.3         |
| Only able to read and write                   | 3      | 0.4         |
| Elementary                                    | 282    | 40.7        |
| Secondary                                     | 233    | 33.6        |
| Technical/Vocational +                        | 131    | 18.9        |
| <b>Respondents marital status (n=693)</b>     |        |             |
| Married                                       | 656    | 94.7        |
| Lives with a man as if married                | 13     | 1.9         |
| Divorced                                      | 3      | 0.4         |
| Widowed                                       | 0      | 0           |
| Separated                                     | 7      | 1           |
| Single                                        | 14     | 2           |
| <b>Respondents Occupation (n=693)</b>         |        |             |
| Housewife                                     | 434    | 62.6        |
| Self Employed                                 | 64     | 9.2         |

|                                                |     |      |
|------------------------------------------------|-----|------|
| Private Employee                               | 93  | 13.4 |
| Government Employee                            | 67  | 9.7  |
| Merchant                                       | 21  | 3    |
| Other                                          | 14  | 2    |
| <b>Respondents Religion (n=693)</b>            |     |      |
| Orthodox                                       | 467 | 67.4 |
| Catholic                                       | 3   | 0.4  |
| Protestant                                     | 53  | 7.6  |
| Muslim                                         | 170 | 24.5 |
| Other                                          |     |      |
| <b>Respondent's husband education (n=626)</b>  |     |      |
| Unable to read and write                       | 10  | 1.6  |
| Only able to read and write                    | 13  | 2.1  |
| Elementary                                     | 183 | 29.2 |
| Secondary                                      | 265 | 42.3 |
| Technical/Vocational +                         | 155 | 24.8 |
| <b>Income/month (n=693)</b>                    |     |      |
| <1500                                          | 25  | 3.6  |
| 1500-3000                                      | 307 | 44.3 |
| ≥3000                                          | 361 | 52.1 |
| <b>Respondent's husband Occupation (n=669)</b> |     |      |
| Self Employed                                  | 174 | 26   |
| Private Employee                               | 283 | 42.3 |
| Government Employee                            | 104 | 15.5 |
| Merchant                                       | 76  | 11.4 |
| Farmer                                         | 3   | 0.4  |
| Daily Laborer                                  | 29  | 4.3  |

### **Obstetric, delivery and ANC characteristics**

The majority of respondents 620 (91.3%) were married for the first time at the age of 18 years and above, and the mean age at first marriage was 22.4 year ( $\pm 4.2$ ) and 569 (82.1 %) of respondents had their first pregnancy above the age of 20 years with mean age at first pregnancy being 23.3 year ( $\pm 4.2$ ). Regarding gravidity, 182 (26.3 %) and 26 (3.8 %) of women had history of 3 to 4 and 5 and above pregnancies respectively, with mean gravidity for the women being 2.1 ( $\pm 1.2$ ). About 123 (17.7%) and 13 (1.9 %) of respondents had given 5 and above births in their previous reproductive life time with mean parity for the mothers being 1.8 ( $\pm 1$ ). Out of the respondents 159 (22.9%) of them encountered at least one abortion in their life time. About 508 (82.1%) of respondent planned to have next pregnancy after 24 months, 99.6% of women heard of family planning and 496 (71.6%) of respondents have ever used of one or more types of family planning methods. About 179 (25.8%) and 38 (5.5%) of responders have experience of using Implant and IUCD before the recent pregnancy (Table 2).

Concerning ANC visit, 687 (99.1 %) of respondents had at least one prenatal visit while being pregnant to their last child (Table 2).

.Among respondents who had ANC visit, 628 (91.4 %)of them visited health institutions 4 times and

above for ANC service. About 480 (69.3) of the respondents have got counseling about LARC during this pregnancy, labor and immediate postpartum period, and out of them 361 (75.2%) or respondents got counseling about LARC, for the first time, during the immediate postpartum period. About 555 (80.1%) and 563 (81.2%) of respondents do not know that IUCD and Implant respectively, can be given at the immediate postpartum period. Regarding place of delivery, 448 (64.6%) of respondents gave birth at government hospital and 245 (35.4%) of them gave birth at government health center (Table 2).

Respondents who used LARC at the immediate postpartum period were asked about their reasons for utilization of LARC at the immediate postpartum period, and 93 (76.9%) of them mentioned LARCs are long acting as one of their reason, 16(13.2%) of them reported that the health service provider told them it is better than the other family planning methods and 16(13.2%) of them reported that the service is available at spot among others (Fig. 1).

Respondents who didn't use LARC at the immediate postpartum period were asked about their reasons for not using of LARC at the immediate postpartum period, and 195 (34.1%) of them reported they want to take family planning methods not now but at next visits, 54 (9.4%) of them reported they would like to take other family planning methods, and 211 (36.9%) of them reported service provider did not ask them to take LARCs among others (Fig. 2).

Among the respondents 526 (75.9%) reported that they heard myths and misconceptions about LARC. Out of them 276 (39.8%) reported that LARCs causes menstrual irregularities, 225 (32.5%) reported that implant causes weight gain, 102 (14.7%) reported that IUCD disappears from the uterus and 157 (22.7%) reported that IUCD causes PID among others (Fig. 3).

**Table 2.** Obstetric related characteristics of the respondents who gave birth in Addis Ababa Public Health Facilities, Jan, 1/2019 to Apr. 30/2019

| Variables                                     | Number (n = 000) | Percent (%) |
|-----------------------------------------------|------------------|-------------|
| <b>Mothers age at first marriage (n=679)</b>  |                  |             |
| < 18 years                                    | 59               | 8.7         |
| 18 year and above                             | 620              | 91.3        |
| <b>Mothers age at first pregnancy (n=693)</b> |                  |             |
| < 20 years                                    | 124              | 38.1        |
| 20 years and above                            | 569              | 82.1        |
| <b>Gravidity (n=693)</b>                      |                  |             |
| 1                                             | 264              | 38.1        |
| 2                                             | 221              | 31.9        |
| 3-4                                           | 182              | 26.3        |
| ≥5                                            | 26               | 3.8         |
| <b>Parity (n=693)</b>                         |                  |             |
| 1                                             | 332              | 47.9        |
| 2                                             | 225              | 32.5        |

|                                                                                          |     |      |
|------------------------------------------------------------------------------------------|-----|------|
| 3-4                                                                                      | 123 | 17.7 |
| ≥5                                                                                       | 13  | 1.9  |
| <b>Herself and/or her husband have a plan to have more children? (n=693)</b>             |     |      |
| Yes                                                                                      | 619 | 89.3 |
| No                                                                                       | 74  | 10.7 |
| <b>Planned duration of next pregnancy (n=619)</b>                                        |     |      |
| <18 months                                                                               | 18  | 2.9  |
| 24 months                                                                                | 93  | 15   |
| >24 months                                                                               | 508 | 82.1 |
| <b>Ever heard of family planning methods (n=693)</b>                                     |     |      |
| Yes                                                                                      | 690 | 99.6 |
| No                                                                                       | 3   | 0.4  |
| <b>Use any form of FP method (n=693)</b>                                                 |     |      |
| Yes                                                                                      | 496 | 71.6 |
| No                                                                                       | 197 | 28.4 |
| <b>Type of modern FP used before this pregnancy (n=693 for each)</b>                     |     |      |
| Implant                                                                                  | 179 | 25.8 |
| IUCD                                                                                     | 38  | 5.5  |
| Injectable                                                                               | 234 | 34.3 |
| Pills                                                                                    | 184 | 26.6 |
| Other                                                                                    | 15  | 2.2  |
| <b>The recent pregnancy was planned (n=693)</b>                                          |     |      |
| Yes                                                                                      | 611 | 88.2 |
| No                                                                                       | 82  | 11.8 |
| <b>ANC Visit (n=693)</b>                                                                 |     |      |
| Yes                                                                                      | 687 | 99.1 |
| No                                                                                       | 6   | 0.9  |
| <b>Number of ANC visits (n=687)</b>                                                      |     |      |
| 1X                                                                                       | 5   | 0.7  |
| 2-3X                                                                                     | 54  | 7.9  |
| ≥ 4X                                                                                     | 628 | 91.4 |
| <b>Time of Initiation of ANC visit (n=687)</b>                                           |     |      |
| < 5 month of pregnancy                                                                   | 509 | 74.1 |
| 4-7 months of pregnancy                                                                  | 168 | 4.5  |
| ≥ 8 months of pregnancy                                                                  | 10  | 1.5  |
| <b>Did Provider Talked to you about LARC (n=693)</b>                                     |     |      |
| Yes                                                                                      | 480 | 69.3 |
| No                                                                                       | 213 | 30.7 |
| <b>The first time she got counseling service about immediate postpartum LARC (n=480)</b> |     |      |
| During ANC visit                                                                         | 92  | 19.2 |
| During labor and delivery                                                                | 27  | 5.6  |
| Within 48hr of delivery                                                                  | 361 | 75.2 |
| <b>Number of times she got counseled about immediate postpartum LARC (n=480)</b>         |     |      |
| 1x                                                                                       | 143 | 29.8 |
| 3x                                                                                       | 240 | 50.0 |
| 3x                                                                                       | 96  | 20   |
| ≥ 4x                                                                                     | 1   | 0.2  |
| <b>Know, before delivery, IUCD can be inserted within 48hr postpartum</b>                |     |      |
| No                                                                                       | 555 | 80.1 |

|                                                                              |     |      |
|------------------------------------------------------------------------------|-----|------|
| Yes                                                                          | 138 | 19.9 |
| <b>Know, before delivery, Implant can be inserted within 48hr postpartum</b> |     |      |
| No                                                                           | 563 | 81.2 |
| Yes                                                                          | 130 | 18.8 |
| <b>Place of Delivery (n=693)</b>                                             |     |      |
| Hospital                                                                     | 448 | 64.6 |
| Health Center                                                                | 245 | 35.4 |
| <b>Mode of Delivery</b>                                                      |     |      |
| SVD                                                                          | 391 | 56.4 |
| Instrumental Delivery                                                        | 19  | 2.7  |
| Cesarean Section                                                             | 283 | 40.8 |
| <b>Decision maker to use Health Care</b>                                     |     |      |
| Respondent                                                                   | 408 | 58.9 |
| Husband/Partner                                                              | 13  | 1.9  |
| Both                                                                         | 272 | 39.2 |
| <b>Husbands attitude towards LARC (n=537)</b>                                |     |      |
| Positive                                                                     | 393 | 73.2 |
| Negative                                                                     | 144 | 26.8 |

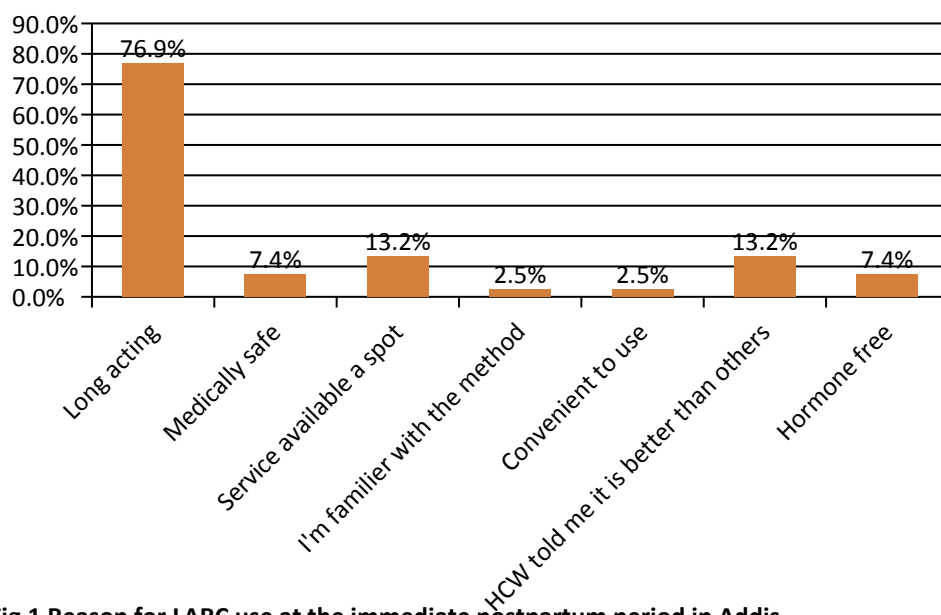


**Fig.1 Reason for LARC use at the immediate postpartum period in Addis Abeba public HF, Ethiopia, Jan 1, 2019 to April 30, 2019**

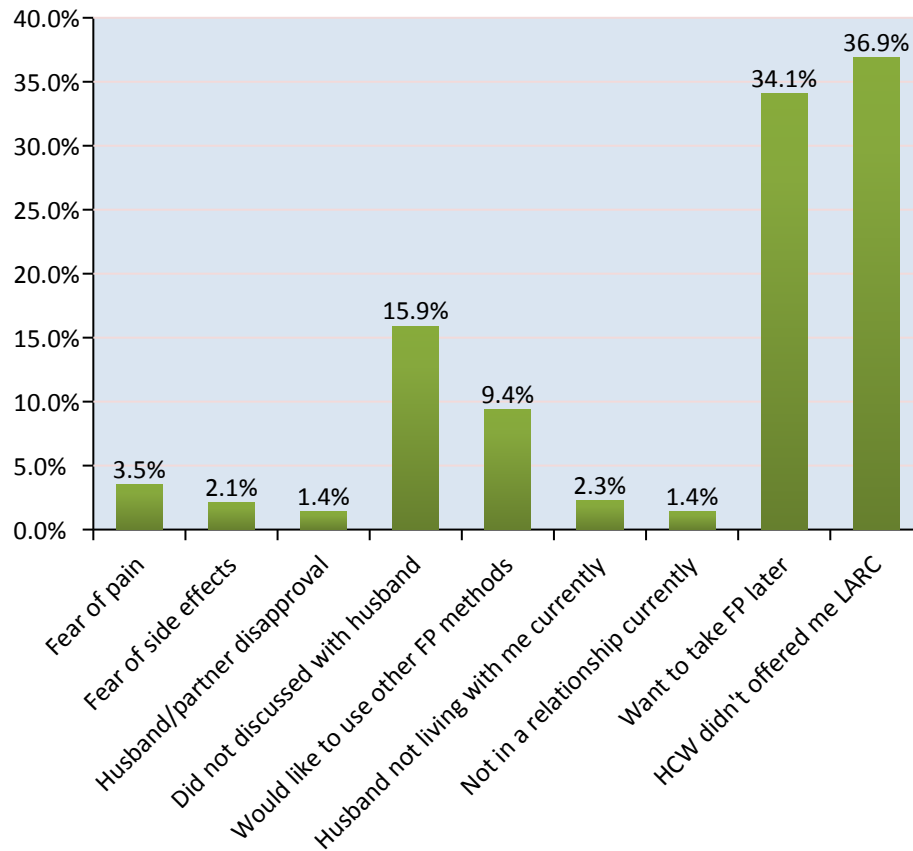


Fig. 2 Reason for not using LARC in the immediate postpartum period in Addis Ababa public health facility, Jan 1, 2019 to April 30, 2019

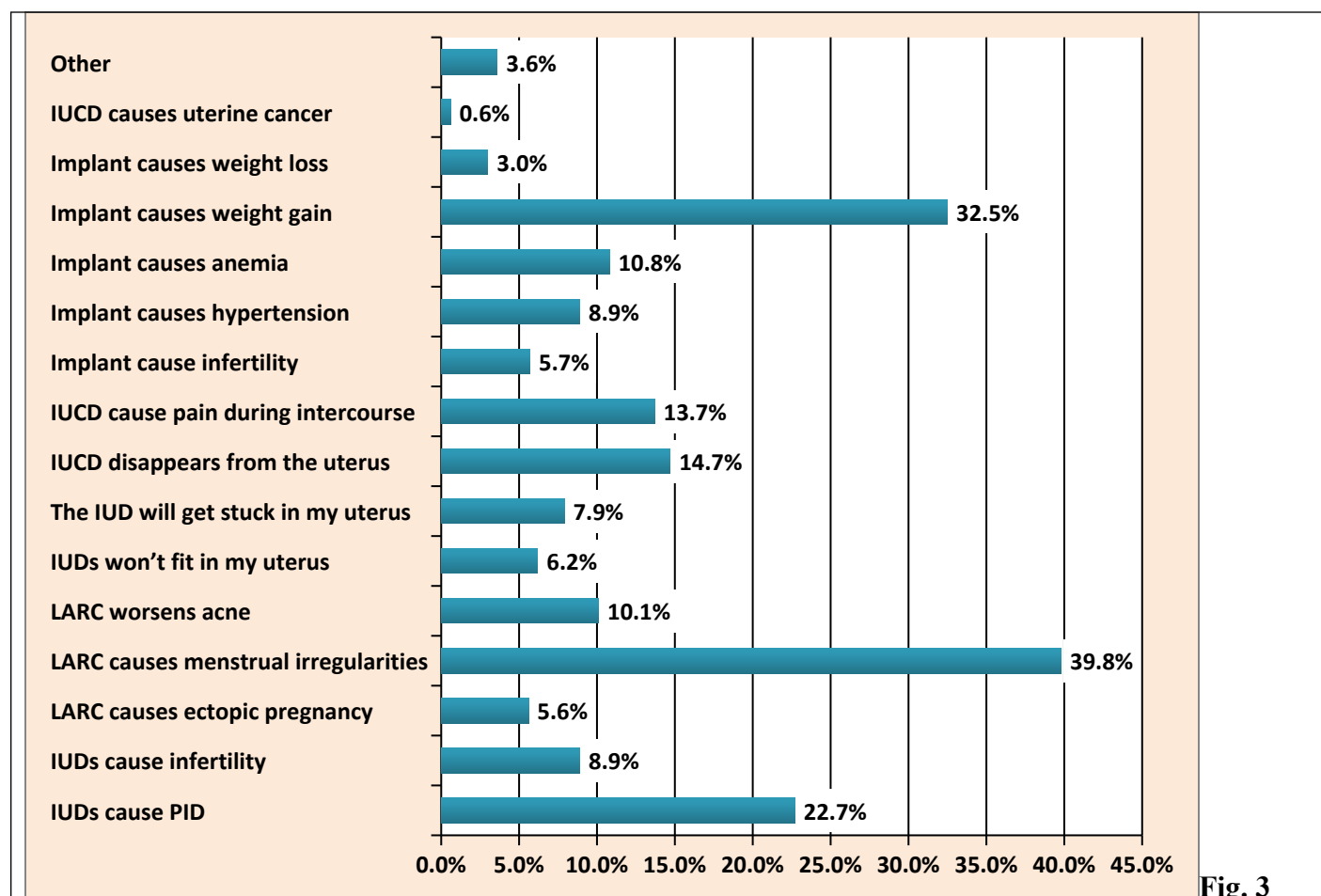


**Fig. 3**

**Myths and Misconceptions heard about LARC by respondents who gave birth in Addis Ababa public health facilities, Jan. 1/2019 to April 30/2019**

### Bivariate analysis

Bivariate analysis was done to see the association of socio-demographic factors, health care behavior, obstetric factors, knowledge and attitude, to the outcome of interest which is LARCs use in the immediate postpartum period. Place of delivery (COR = 1.93, 95% CI: 1.24, 3.02), decision maker to use health care service (COR = 0.54, 95% CI: 0.36, 0.80), husbands attitude towards LARC (COR = 5.10, 95% CI: 2.48, 10.30), mode of delivery (COR = 0.46, 95% CI: 0.30, 0.68), parity (COR = 1.82, 95% CI: 1.1, 3.03), the first time respondents got counseling service about immediate postpartum LARC (COR = 4.53, 95% CI: 2.77, 7.40), the first time respondents got counseling service about immediate postpartum LARC (COR = 4.39, 95% CI: 1.97, 9.80), attitude Overall (COR = 3.46, 95% CI: 2.27, 5.29), knowing before delivery that IUCD can be inserted within 48hr postpartum (COR = 0.14, 95% CI: 0.09, 0.21), knowing before delivery that implant can be inserted within 48hr postpartum (COR = 0.14, 95% CI: 0.09, 0.21), Knowledge on the methods that can prevent pregnancy for more than three years (COR = 5.75, 95% CI: 1.77, 18.67) showed

association with the dependent variable (Table 3).

**Table 3.** Independent variables that show association on Bivariate Analysis with LARC use in the immediate postpartum period among mothers who gave birth in Addis Ababa Public Health Facilities, Ethiopia, Jan, 1/2019 to Apr. 30/2019

| Variable                                                                             | Used LARC in the immediate postpartum period |            | Crude OR<br>(95% CI)     |
|--------------------------------------------------------------------------------------|----------------------------------------------|------------|--------------------------|
|                                                                                      | Yes<br>N(%)                                  | No<br>N(%) |                          |
| <b>Place of Delivery</b>                                                             |                                              |            |                          |
| Hospital                                                                             | 92(20.54)                                    | 356(79.46) | <b>1.93(1.24, 3.02)</b>  |
| Health Center                                                                        | 29(11.84)                                    | 216(88.16) | <b>1.00</b>              |
| <b>Decision maker to use Health Care</b>                                             |                                              |            |                          |
| Respondent                                                                           | 57(13.97)                                    | 351(86.03) | <b>0.54(0.36, 0.80)</b>  |
| Husband/Partner                                                                      | 17(6.9)                                      | 12(92.31)  | 0.28(0.04, 2.17)         |
| Both                                                                                 | 63(23.16)                                    | 209(76.84) | <b>1.00</b>              |
| <b>Husbands attitude towards LARC</b>                                                |                                              |            |                          |
| Positive                                                                             | 99(25.19)                                    | 294(74.81) | <b>5.10(2.48, 10.30)</b> |
| Negative                                                                             | 9(6.25)                                      | 135(93.75) | <b>1.0</b>               |
| <b>Mode of Delivery</b>                                                              |                                              |            |                          |
| SVD                                                                                  | 50(12.79)                                    | 341(87.21) | <b>0.46(0.30, 0.68)</b>  |
| Instrumental Delivery                                                                | 2(10.53)                                     | 17(89.47)  | 0.37(0.08, 1.62)         |
| Cesarean Section                                                                     | 69(24.38)                                    | 214(75.62) | <b>1.00</b>              |
| <b>Parity</b>                                                                        |                                              |            |                          |
| 1                                                                                    | 50(15.06)                                    | 282(84.94) | <b>1.00</b>              |
| 2                                                                                    | 37(16.44)                                    | 188(83.56) | 1.11(0.70, 1.76)         |
| 3-4                                                                                  | 30(24.39)                                    | 93(75.61)  | <b>1.82(1.1, 3.03)</b>   |
| ≥5                                                                                   | 4(30.77)                                     | 9(69.23)   | 2.51(0.74, 8.45)         |
| <b>The first time she got counseling service about immediate postpartum LARC</b>     |                                              |            |                          |
| During ANC visit                                                                     | 45(48.91)                                    | 47(51.09)  | <b>4.53(2.77, 7.40)</b>  |
| During labor and delivery                                                            | 13(48.15)                                    | 14(51.85)  | <b>4.39(1.97, 9.80)</b>  |
| Within 48hr of delivery                                                              | 63(17.45)                                    | 298(82.55) | <b>1.00</b>              |
| <b>Attitude Overall</b>                                                              |                                              |            |                          |
| Positive                                                                             | 85(26.81)                                    | 232(73.19) | <b>3.46(2.27, 5.29)</b>  |
| Negative                                                                             | 36(9.57)                                     | 340(90.43) | <b>1.00</b>              |
| <b>Know, before delivery, IUCD can be inserted within 48hr postpartum</b>            |                                              |            |                          |
| No                                                                                   | 58(10.45)                                    | 497(89.55) | <b>0.14(0.09, 0.21)</b>  |
| Yes                                                                                  | 63(45.65)                                    | 75(54.35)  | <b>1.00</b>              |
| <b>Know, before delivery, Implant can be inserted within 48hr postpartum</b>         |                                              |            |                          |
| No                                                                                   | 60(10.66)                                    | 503(89.34) | <b>0.14(0.09, 0.21)</b>  |
| Yes                                                                                  | 61(46.92)                                    | 69(53.08)  | <b>1.00</b>              |
| <b>Knowledge on the methods that can prevent pregnancy for more than three years</b> |                                              |            |                          |
| Implant                                                                              | 14(11.57)                                    | 107(88.43) | 2.84(0.79, 10.24)        |
| IUDC                                                                                 | 4(14.81)                                     | 23(85.19)  | 3.77(0.78, 18.12)        |
| Implant and IUDC                                                                     | 100(20.96)                                   | 377(79.04) | <b>5.75(1.77, 18.67)</b> |
| I Don't Know                                                                         | 3(4.41)                                      | 65(95.59)  | <b>1.00</b>              |

### **Factors associated with LARC utilization at the immediate postpartum period**

All those variables which were found to be associated with outcome variable, which is LARC use in the immediate postpartum period, on bivariate analysis (p value less than 0.05) and the well known confounders were included in the multivariate logistic regression model and the following variables maintained their association: Attitude of respondents towards utilization of LARC in the immediate postpartum period was found to be one of the most important indicator for LARC use in the immediate postpartum period. Women having a positive attitude towards LARC use in the immediate postpartum period were 3.4 times more likely to use LARC at the immediate postpartum period than their counterparts (OR = 3.42, 95% CI: 1.96, 5.98). Place of delivery was found to be the other very important factor associated with LARC use in the immediate postpartum period. Mothers who deliver in government hospitals were about 3.3 times more likely to use LARC at the immediate postpartum period than those who deliver in government health centers (OR = 3.29, 95% CI: 1.41, 7.66). knowing before delivery that IUCD can be inserted within 48hr postpartum found to be another factor associated with LARCs use at the immediate postpartum period. Those women who didn't know, before the recent delivery, that IUCD can be inserted within 48hr postpartum were less likely to use LARC at the immediate postpartum period than their counterparts (OR = 0.31, 95% CI: 0.11, 0.89). knowing before delivery that implant can be inserted within 48hr postpartum found to be another factor associated with LARCs use at the immediate postpartum period. Those women who didn't know, before the recent delivery, that implant can be inserted within 48hr postpartum were less likely to use LARC at the immediate postpartum period than their counterparts (OR = 0.29, 95% CI: 0.11, 0.76). Husband attitude towards LARC use was another very important factor. Women having a husband with positive attitude towards LARC use were about 3.3 times more likely to use LARC at the immediate postpartum period than those women with a husband having negative attitude towards LARC use (OR = 3.26, 95% CI: 1.46, 7.29) (Table 4).

**Table 4.** Factors associated with utilization of LARC in the immediate postpartum period among mothers

who gave birth in Addis Ababa Public Health Facilities, Ethiopia, Jan, 1/2019 to Apr. 30/2019

| Variable                                                                     | Used LARC in the immediate postpartum period |            | Crude OR (95% CI)        | Adjusted OR (95% CI)    |
|------------------------------------------------------------------------------|----------------------------------------------|------------|--------------------------|-------------------------|
|                                                                              | Yes N(%)                                     | No N(%)    |                          |                         |
| <b>Place of Delivery</b>                                                     |                                              |            |                          |                         |
| Hospital                                                                     | 92(20.54)                                    | 356(79.46) | <b>1.93(1.24, 3.02)</b>  | <b>3.29(1.41, 7.66)</b> |
| Health Center                                                                | 29(11.84)                                    | 216(88.16) | <b>1.00</b>              | <b>1.00</b>             |
| <b>Decision maker to use Health Care</b>                                     |                                              |            |                          |                         |
| Respondent                                                                   | 57(13.97)                                    | 351(86.03) | <b>0.54(0.36, 0.80)</b>  | 0.58(0.33, 1.01)        |
| Husband/Partner                                                              | 1(7.69)                                      | 12(92.31)  | 0.28(0.04, 2.17)         | 0.21(0.02, 2.10)        |
| Both                                                                         | 63(23.16)                                    | 209(76.84) | <b>1.00</b>              | 1.00                    |
| <b>Husbands attitude towards LARC</b>                                        |                                              |            |                          |                         |
| Positive                                                                     | 99(25.19)                                    | 294(74.81) | <b>5.10(2.48, 10.30)</b> | <b>3.26(1.46, 7.29)</b> |
| Negative                                                                     | 9(6.25)                                      | 135(93.75) | <b>1.0</b>               | <b>1.00</b>             |
| <b>Mode of Delivery</b>                                                      |                                              |            |                          |                         |
| SVD                                                                          | 50(12.79)                                    | 341(87.21) | <b>0.46(0.30, 0.68)</b>  | 1.07(0.55, 2.08)        |
| Instrumental Delivery                                                        | 2(10.53)                                     | 17(89.47)  | 0.37(0.08, 1.62)         | 0.43(0.06, 3.18)        |
| Cesarean Section                                                             | 69(24.38)                                    | 214(75.62) | <b>1.00</b>              | 1.00                    |
| <b>Parity</b>                                                                |                                              |            |                          |                         |
| 1                                                                            | 50(15.06)                                    | 282(84.94) | <b>1.00</b>              | 1.00                    |
| 2                                                                            | 37(16.44)                                    | 188(83.56) | 1.11(0.70, 1.76)         | 0.86(0.30, 2.47)        |
| 3-4                                                                          | 30(24.39)                                    | 93(75.61)  | <b>1.82(1.1, 3.03)</b>   | 1.73(0.44, 6.82)        |
| ≥5                                                                           | 4(30.77)                                     | 9(69.23)   | 2.51(0.74, 8.45)         | 2.75(0.18, 42.58)       |
| <b>First time she got counseling about immediate postpartum LARC</b>         |                                              |            |                          |                         |
| During ANC visit                                                             | 45(48.91)                                    | 47(51.09)  | <b>4.53(2.77, 7.40)</b>  | 1.44(0.47, 4.44)        |
| During labor and delivery                                                    | 13(48.15)                                    | 14(51.85)  | <b>4.39(1.97, 9.80)</b>  | 2.51(0.72, 8.80)        |
| Within 48hr of delivery                                                      | 63(17.45)                                    | 298(82.55) | <b>1.00</b>              | 1.00                    |
| <b>Attitude Overall</b>                                                      |                                              |            |                          |                         |
| Positive                                                                     | 85(26.81)                                    | 232(73.19) | <b>3.46(2.27, 5.29)</b>  | <b>3.42(1.96, 5.98)</b> |
| Negative                                                                     | 36(9.57)                                     | 340(90.43) | <b>1.00</b>              | <b>1.00</b>             |
| <b>Know, before delivery, IUCD can be inserted within 48hr postpartum</b>    |                                              |            |                          |                         |
| No                                                                           | 58(10.45)                                    | 497(89.55) | <b>0.14(0.09, 0.21)</b>  | <b>0.29(0.11, 0.76)</b> |
| Yes                                                                          | 63(45.65)                                    | 75(54.35)  | <b>1.00</b>              | <b>1.00</b>             |
| <b>Know, before delivery, Implant can be inserted within 48hr postpartum</b> |                                              |            |                          |                         |
| No                                                                           | 60(10.66)                                    | 503(89.34) | <b>0.14(0.09, 0.21)</b>  | <b>0.31(0.11, 0.89)</b> |
| Yes                                                                          | 61(46.92)                                    | 69(53.08)  | <b>1.00</b>              | <b>1.00</b>             |

Adjusted for Socio-demographic variables, obstetric variables, knowledge of respondents and attitude of respondents. The results written in bold numbers indicate the results of those variables that show statistically significant association with the outcome variable in the Crude OR and Adjusted OR analysis

## Discussion

This institution based cross sectional study attempted to measure magnitude of LARC use in the immediate postpartum period and to identify factors associated with utilization of LARC service at the immediate postpartum period among childbearing women who gave birth in government hospitals and government health center in Addis Ababa, Ethiopia. In this study, the major factors associated with utilization LARCs service at the immediate postpartum period were found to be place of delivery , husbands attitude towards LARC , attitude respondents towards LARC use at the immediate postpartum period, knowing before delivery that IUCD can be inserted within 48hr postpartum, and knowing before delivery that implant can be inserted within 48hr postpartum.

The study revealed that the prevalence of LARC use during the immediate postpartum period, which is a particularly favorable time for IUD or implant insertion [5] and which can be also be justified as one of the most important factor that can increase utilization of modern family planning and hence help to space pregnancy interval for 24 months and more and in turn bring down high rates of maternal mortality [3], to be 17.5 %. The remaining 82.5 % women didn't use LARC at the immediate postpartum period, and this women might be vulnerable to short inter pregnancy interval and might exposed to complications of short inter pregnancy interval among which are maternal anemia, preterm birth, low birth weight, increased rate of maternal and newborn deaths among others [20]. The low prevalence of LARC use in the immediate postpartum period in the city might be leading to a high number of maternal and neonatal morbidity and mortality. This calls for an accelerated, integrated and appropriate interventions to be carried out by all stakeholders to increase utilization of LARC during the immediate postpartum period. Unless appropriate actions are taken on time it might be difficult to achieve SDG.

Our finding is lower than the finding of immediate postpartum LARC use coverage in other studies such as Thailand (postpartum LARC use of 73.7% in the immediate postpartum counseling group), Kenya (uptake of 50.3% for immediate postpartum implants) and India (18.8% acceptance rate of PPIUCD in the immediate postpartum period) [24, 26, 27]. The relatively better coverage in utilization LARC in the immediate postpartum period in the aforementioned countries as compared to our findings might be due to the socioeconomic including infrastructure and the cultural differences that might exist across these countries. This finding is also lower than the study conducted in Sidama zone public health facilities, for immediate PPIUCD use only, Ethiopia (21.6% IUCD use within 48hr of delivery) [28]. This indicates the city public health facilities need to work with all stakeholders to improve utilization of LARC in the immediate postpartum period.

In this study one of the most important factor associated with utilization of LARC in the immediate postpartum period was found to be f attitude of respondents towards utilization of LARC in the immediate postpartum period. Women who have positive attitude towards utilization of LARC in the immediate postpartum period had strong odds of using LARC in the immediate postpartum period than their counterparts. **This finding is consistent with other studies conducted in Ethiopia [29, 46].** This might be due to the fact that knowing about the danger of short inter pregnancy interval to the mother herself, the new born and the next fetus; knowing the chance getting pregnant before six weeks postpartum; and knowing the importance of using the opportunity of immediate postpartum period for utilization of LARC might drive the women to use LARC in the immediate postpartum period. On the contrary, those who think short inter pregnancy interval have no danger, who didn't think that women can became pregnant within 6 weeks postpartum and who think it is better to take LARC at or after six weeks of postpartum period might not prefer to take LARC during the immediate postpartum period.

The study found that the place where the mother gave birth as one of the most important factor for utilization of LARC service within the immediate postpartum period. Women who delivered in government hospitals were more likely to use LARC in the immediate postpartum period than women who deliver in government health centers. This finding suggests that health institution that can provide health service with high level health professionals might give a better counseling about immediate postpartum use than the lower health professionals found in health centers. It is customary to report the daily family planning services provided for those mothers who delivered in the study hospitals during the morning meeting and this might also increase the coverage of utilization of LARC in the immediate postpartum period by reinforcing the health workers to give the service. **This finding of the study is consistent with other study conducted in Sirilanka [1].**

knowing, before the recent delivery, that IUCD can be inserted within 48hr postpartum was the other important factor for using LARC in the immediate postpartum period. Women who didn't know, before the recent delivery, that IUCD can be inserted within 48hr postpartum were less likely to use LARC during the immediate postpartum period. knowing, before the recent delivery, that implant can be inserted within 48hr postpartum was also another important factor for using LARC in the immediate postpartum period.

Women who didn't know, before the recent delivery, that implant can be inserted within 48hr postpartum were less likely to use LARC during the immediate postpartum period. Both of these finding suggests that it is not only providing family planning counseling before delivery, especially during ANC service, but it rather specifically emphasizing during the counseling, that is given at ANC period, on the availability

immediate postpartum LARC service and counseling on the importance of immediate postpartum LARC utilization that has an impact on boosting utilization of LARC by mothers during the immediate postpartum period. **This finding of the study is consistent with other study conducted in Ethiopia [28].** Husband's attitude towards LARC use was the other factor that is found to be influencing utilization of LARC during the immediate postpartum period. Women having a husband with positive attitude towards LARC use were more likely to use LARC during the immediate postpartum period than women whose husbands have negative attitude towards this service. **This finding of the study is consistent with other study conducted in Adama and Aksum, Ethiopia [22, 46].** Husbands having negative attitude towards LARC use might not support their wife to use LARC as they are usually the decision maker in major events in the family. This finding indicates that the support from husband is very helpful for the women to use LARC in the immediate postpartum period.

### **Limitations of the study**

The result of this study should be interpreted carefully as it might be difficult to establish cause- effect relation-ship due to the cross sectional nature of the study. Even if the training of data collectors as well as supervisors with the supply of questionnaire for interviewing and the memorable nature of most of the events can have a significant impact in minimizing biases, it might still be difficult to exclude recall bias as some participants were expected to remember events that happened up to 9 months back and for few question more than 9 months. The relatively sensible proportion of government hospital and government health center participants from reasonable number of government hospitals and government health centers with larger sample size, and the design of the which used probability sampling technique that helps to minimize selection bias thus can be generalized for government hospitals and government health, are some of the strengths that can give adequate power for the study regardless of its limitations.

### **Conclusion and Recommendation**

This study demonstrates that LARC utilization during the immediate postpartum period in the city is low. There is great disparity between those mothers who delivered in government hospitals and government health centers in using LARC during the immediate postpartum period. Besides place of delivery, the most important factors associated with use of LARC in the immediate postpartum period were found to be attitude of mother towards immediate postpartum LARC use, knowing that implant can be inserted during the immediate postpartum period, knowing that IUCD can be inserted during the immediate postpartum

period, and husband attitude towards LARC use. If most mothers carry on not taking LARC during the immediate postpartum period they will continue to encounter unintended pregnancy with resulting into short inter pregnancy related complications; and the high maternal as well as neonatal morbidity and mortality will persist. Hence all stakeholders including policy makers, planners and health service managers should distinguish factors associated with utilization of LARC during the immediate postpartum period and work strongly to curb the situation. They should give attention to improve the service coverage and quality of family planning counseling with emphasis on immediate postpartum LARC by giving updated training for health professionals' working in health institutions at respective departments followed by supportive supervision and mentoring. Mothers, husbands and the community at large should get health education using various medias and BCC services to promote positive behavior towards utilization of LARC during the immediate postpartum period. In our study, knowing by the mothers before their recent delivery (could be during recent pregnancy ANC follow and/or at least during laboring time and also could be before pregnancy) that IUCD and implant can be inserted during the immediate postpartum period have an impact on the service utilization. This calls for the need for improvement in increasing knowledge of mothers about immediate postpartum LARC and decide upon it before delivery, especially during ANC follow up; and hence besides providing FP service during immediate postpartum period; it calls for the need for integration of strong family planning service with ANC service focusing on immediate postpartum LARC use.

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**ASSURANCE OF PRINCIPAL INVESTIGATOR**

I the undersigned agree to accept all responsibilities for the scientific and ethical conduct of the research project. I will provide timely progress report to my advisor and seek the necessary advice and approval from my primary advisors in the course of the research. I will communicate timely to my advisors all stakeholders involved in the study including any source of funding for this research.

Name of the student: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

**Approval of the primary Advisor**

Name of the primary advisor: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

## ANNEXES

### ANNEX 1. Questionnaire (Data collection instrument)

#### Informed consent

Approach a woman in postpartum period upon immediate decision of discharge:

Hello my name is \_\_\_\_\_ and I am part of a team of people who are conducting a survey on “Magnitude and factors associated with utilization of Long Acting Reversible Contraceptive methods (LARCs) in the Immediate Postpartum Period in Addis Ababa Public Health Facilities, Ethiopia” (Show the letter of approval from each health facilities [HF]). The information we collect will be disseminated to the government bodies and other stakeholders so that it can be used as an input for improvement of LARC use in the immediate postpartum period. You were selected for the survey. I would like to ask you some questions and it will take about 30 minutes. All of the answers you give will be confidential and will not be shared with anyone other than members of our survey team. Participation in this survey is voluntary and you can choose not to answer any individual question or all of the questions. However, I hope that you will participate in this survey since your views are very important for improving the health of childbearing women and their newborns in Addis Ababa and our country, and I would very much appreciate your participation in this survey.

Do you want to ask me anything about the survey?      May I begin the interview now?

Name of respondent \_\_\_\_\_ Sign \_\_\_\_\_ Date \_\_\_\_\_

Signature of interviewer: \_\_\_\_\_ Date of interview \_\_/\_\_/\_\_; Start time \_\_\_\_ End time \_\_\_\_

If respondent does not agree to be interviewed thank her and go to the next respondent.

If respondent agrees to be interviewed, continue the interview.

01. When did you gave birth to your last baby? \_\_Day\_\_ Mth \_\_\_\_Yr \_\_\_\_hr back (in Eth. Calendar).

Is it within the last 48 hours? 1. Yes      2. No

If 48 hours past after delivery, then the mother is not eligible for the full interview.

02. Is it in Addis Ababa public HF that you gave birth to your last (the current) baby? 1. Yes      2. No

If she didn't give birth to her last baby in Addis Ababa public HF, she is not eligible for the full interview.

03. When did you start to live in Addis Ababa? \_\_\_\_ Month \_\_\_\_ Year (in Ethiopian Calendar).

Is it for: 1. For < 1yr      2. For > 1yr

If the answer is for < 1yr (12 months), then the respondent is not eligible for the survey.

If the answer to Question 01, 02 and 03 are 1, 1 and 2 respectively then the respondent is eligible for the survey, hence continue with the full interview.

001. Questionnaire Code \_\_\_\_\_

002. Address: Subcity \_\_\_\_\_

Kebele \_\_\_\_\_

003. Card No. \_\_\_\_\_

Phone number \_\_\_\_\_

| <b>Part I. Respondent's socio demographic factors</b> |                                                                                                                                                                                    |                                                                                                                                                                                                                |             |             |
|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|
| <b>No.</b>                                            | <b>Questions and filters</b>                                                                                                                                                       | <b>Coding categories</b>                                                                                                                                                                                       | <b>Skip</b> | <b>Code</b> |
| 10<br>1                                               | In what month and year were you born?                                                                                                                                              | Month _____ Year _____<br>I don't know the month = 98<br>I don't know the year = 9998                                                                                                                          |             |             |
| 10<br>2                                               | How old were you at your last birthday?<br>Compare and correct question 101 if inconsistent.                                                                                       | Age in completed years _____                                                                                                                                                                                   |             |             |
| 10<br>3                                               | Have you ever attended school?                                                                                                                                                     | Yes .....1<br>No .....2                                                                                                                                                                                        | → 106       |             |
| 10<br>4                                               | What is the highest level of school you attended: primary, secondary, technical/vocational or higher?                                                                              | Primary .....1<br>Secondary .....2<br>Technical/vocational .....3<br>Higher .....4                                                                                                                             |             |             |
| 10<br>5                                               | What is the highest grade/number of years you completed at that level?<br>If completed less than one year at that level record '00'.                                               | Grade/number of years _____                                                                                                                                                                                    |             |             |
| 10<br>6                                               | Have you ever attended a Bible school or Koranic school or any other informal school that involves learning to read and/or write (not including primary school)?                   | YES.....1<br>NO.....2                                                                                                                                                                                          | → 108       |             |
| 10<br>7                                               | Now I would like you to read this sentence to me.<br><br>Show card to respondent.<br>If respondent cannot read whole sentence, probe: can you read any part of the sentence to me? | Cannot read at all.....1<br>Able to read only parts of sentence.....2<br>Able to read whole sentence.....3<br>No card with required language....4<br>(specify language) _____<br>Blind/visually impaired.....5 |             |             |
| 10<br>8                                               | What is your marital status?<br><br>Are you currently married or living together with a man as if married, widowed, divorced, separated or never married?                          | Currently married.....1<br>Living with a man as if married.....2<br>Widowed.....3<br>Divorced.....4<br>Separated.....5<br>Never married.....6                                                                  | 112<br>→    |             |
| 10<br>9                                               | How old were you at your first marriage?                                                                                                                                           | Age in completed years _____                                                                                                                                                                                   |             |             |
| 11<br>0                                               | What is the educational status of your husband?                                                                                                                                    | Primary.....1<br>Secondary.....2<br>Technical/vocational.....3<br>Higher.....4<br>He can only read and write.....5<br>He can't read and write.....6<br>Don't know.....7                                        |             |             |
| 11<br>1                                               | What is your husband's/partner's occupation? That is, what kind of work does he mainly do?                                                                                         | Self employed.....1<br>Private employee.....2                                                                                                                                                                  |             |             |

|                                                                                            |                                                                                                                                                             |                                                                                                                                                                              |             |             |
|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|
|                                                                                            |                                                                                                                                                             | Government employee.....3<br>Merchant.....4<br>Farmer.....5<br>Student.....6<br>Other (specify).....88                                                                       |             |             |
| <b>No.</b>                                                                                 | <b>Questions and filters</b>                                                                                                                                | <b>Coding categories</b>                                                                                                                                                     | <b>Skip</b> | <b>Code</b> |
| 11<br>2                                                                                    | What is your occupation, that is, what kind of work do you mainly do?                                                                                       | Housewife.....1<br>Self<br>Employed.....2<br>Private Employee.....3<br>Government Employee.....4<br>Merchant.....5<br>Farmer.....6<br>Student.....7<br>Other(specify).....87 |             |             |
| 11<br>3                                                                                    | What is the average monthly income of the household (including all incomes i.e. yours, and all other sources of income in the household)?                   | _____ Birr<br>I don't know.....87<br>Has no income .....86                                                                                                                   |             |             |
| Check question 107 <input type="checkbox"/> Code 1 or 5 circled <input type="checkbox"/> → |                                                                                                                                                             |                                                                                                                                                                              | 115         |             |
| 11<br>4                                                                                    | Do you read a newspaper or magazine at least once a week, less than once a week or not at all?                                                              | At least once a week .....1<br>Less than once a week .....2<br>Not at all .....3                                                                                             |             |             |
| 11<br>5                                                                                    | Do you have television and/or radio?                                                                                                                        | Has only television.....1<br>Has only radio.....2<br>Has both radio and television.....3<br>Neither have radio nor television...4                                            |             |             |
| 11<br>6                                                                                    | Do you listen to the radio at least once a week, less than once a week or not at all?<br>(Including listening to radio not only in your home but anywhere)  | At least once a week .....1<br>Less than once a week .....2<br>Not at all .....3                                                                                             |             |             |
| 11<br>7                                                                                    | Do you watch television at least once a week, less than once a week or not at all?<br>(Including watching to television not only in your home but anywhere) | At least once a week .....1<br>Less than once a week .....2<br>Not at all .....3                                                                                             |             |             |
| 11<br>8                                                                                    | What is your religion?                                                                                                                                      | Orthodox .....1<br>Catholic .....2<br>Protestant .....3<br>Muslim .....4<br>Traditional .....5<br>Other_____87<br>(specify)                                                  |             |             |
| 11<br>9                                                                                    | What is your ethnicity?<br>Record the major ethnic group.                                                                                                   | _____                                                                                                                                                                        |             |             |
| <b>Part II. Obstetric related factors</b>                                                  |                                                                                                                                                             |                                                                                                                                                                              |             |             |
| 20<br>1                                                                                    | How old were you at your first pregnancy?                                                                                                                   | Age in completed years _____                                                                                                                                                 |             |             |
| 20<br>2                                                                                    | Now I would like to ask about all the pregnancies you have had during your life. How                                                                        | Number of Pregnancies _____                                                                                                                                                  |             |             |

|            |                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                   |             |             |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|
|            | many pregnancies you have had during your life?                                                                                                                                                   |                                                                                                                                                                                                                                                                   |             |             |
| 20<br>3    | Do you have any history of abortion?                                                                                                                                                              | Yes.....1<br>No.....2 → 205                                                                                                                                                                                                                                       |             |             |
| 20<br>4    | How many abortions did you encounter?                                                                                                                                                             | Number of abortions _____                                                                                                                                                                                                                                         |             |             |
| 20<br>5    | How many sons and daughters you have had given birth (both live and still births)?                                                                                                                | Sons: Number of Live births ____<br>Number of Still births ____<br>Daughters: Number of Live births ____<br>Number of Still births ____                                                                                                                           |             |             |
| <b>No.</b> | <b>Questions and filters</b>                                                                                                                                                                      | <b>Coding categories</b>                                                                                                                                                                                                                                          | <b>Skip</b> | <b>Code</b> |
| 20<br>6    | Do you and your husband have a plan to have more children?                                                                                                                                        | Yes.....1<br>No.....2 → 208                                                                                                                                                                                                                                       |             |             |
| 20<br>7    | If yes to Q206, how long from now you want to wait before getting pregnant again?                                                                                                                 | Months _____                                                                                                                                                                                                                                                      |             |             |
| 20<br>8    | Have you ever heard of family planning methods?                                                                                                                                                   | Yes.....1<br>No.....2                                                                                                                                                                                                                                             |             |             |
| 20<br>9    | If yes to Q208, what is the source of first information on FP?                                                                                                                                    | Neighbours.....1<br>Friends.....2<br>Relatives.....3<br>Health professionals.....4<br>Mass media.....5<br>Husband.....6<br>School.....7<br>Other _____                                                                                                            |             |             |
| 21<br>0    | Which contraceptive methods you know?<br>(Only circle when respondent names)<br><br>Probe: Any other?                                                                                             | Depo/Injectables.....1<br>IUCD.....2<br>Implants (Implanon, Sinoplant, Jadelle) underline one.....3<br>OCP.....4<br>Male condom.....5<br>Female condom.....6<br>LAM.....7<br>Tubal ligation.....8<br>Vasectomy.....9<br>Withdrawal.....10<br>Other(specify) _____ |             |             |
| 21<br>1    | Before this recent pregnancy, did you use any type of contraception?                                                                                                                              | Yes.....1<br>No.....2 → 213                                                                                                                                                                                                                                       |             |             |
| 21<br>2    | If yes to Q#211, which method did you use before this pregnancy?<br><br>(Let respondent cite out first )<br><br>Probe: Any other family planning method?<br><br>More than one answer is possible. | Depo/Injectables.....1<br>IUCD.....2<br>Implants (Implanon, Sinoplant, Jadelle) underline one.....3<br>OCP.....4<br>Male condom.....5<br>Female condom.....6<br>LAM.....7<br>Withdrawal.....10<br>Other(specify) _____                                            |             |             |

|            |                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                       |             |             |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|
|            | Circle all the methods that she used.                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                       |             |             |
| 21<br>3    | Was the recent pregnancy a planned one?                                                                                                                                                                                                                                                                        | Yes.....1<br>No.....2                                                                                                                                                                                                                                                                                                                                                                 |             |             |
| 21<br>4    | Did you attend ANC while you were pregnant to the baby that you gave birth now ( $\leq$ 48hrs)?                                                                                                                                                                                                                | Yes.....1<br>No.....2 → 219                                                                                                                                                                                                                                                                                                                                                           |             |             |
| <b>No.</b> | <b>Questions and filters</b>                                                                                                                                                                                                                                                                                   | <b>Coding categories</b>                                                                                                                                                                                                                                                                                                                                                              | <b>Skip</b> | <b>Code</b> |
| 21<br>5    | Where did you receive antenatal care while you were pregnant to the baby that you gave birth now ( $\leq$ 48hrs)?<br><br>Anywhere else?<br>Probe to identify type(s) of source(s).<br><br>If unable to determine if public or private sector, write the name of the place.<br><br>_____ (name of the place(s)) | Home<br>Your home.....a<br>Other home.....b<br>Public sector<br>Govt. hospital.....c<br>Govt. health center.....d<br>Govt. health station/clinic.....e<br>Govt. health post.....f<br>Other Public _____g<br>(specify)<br>NGO health facility .....h<br>Private med. sector<br>Pvt. Hospital.....i<br>Pvt. Clinic .....j<br>Other private med.....k<br>(specify)<br>Other (specify) 87 |             |             |
| 21<br>6    | Whom did you see?<br><br>Anyone else?<br><br>Probe to identify each type of person and record all mentioned.                                                                                                                                                                                                   | Health personnel<br>Doctor .....a<br>Nurse/midwife .....b<br>HEW .....c<br>Other health personnel .....d<br>(specify)                                                                                                                                                                                                                                                                 |             |             |
| 21<br>7    | How many months pregnant were you when you first received antenatal care while you were pregnant to the baby that you gave birth now ( $\leq$ 48hrs)?                                                                                                                                                          | Months _____<br>Don't know .....88                                                                                                                                                                                                                                                                                                                                                    |             |             |
| 21<br>8    | How many times did you attend ANC service while you were pregnant to the baby that you gave birth now ( $\leq$ 48hrs)?                                                                                                                                                                                         | Number of visits-----<br>I DON'T KNOW-----88                                                                                                                                                                                                                                                                                                                                          |             |             |
| 21<br>9    | Did a health care service provider talked to you about FP?                                                                                                                                                                                                                                                     | Yes.....1<br>No.....2 → 221                                                                                                                                                                                                                                                                                                                                                           |             |             |
| 22<br>0    | If yes to 219, when was the health care service provider talked to you about FP?                                                                                                                                                                                                                               | During ANC follow up.....1<br>During Labor for this baby.....2<br>Within 48hrs right after delivery...3                                                                                                                                                                                                                                                                               |             |             |
| 22<br>1    | Before this delivery; did you know that IUCD can be inserted right after or within 48hrs of having a baby (PPIUCD)?                                                                                                                                                                                            | Yes.....1<br>No.....2                                                                                                                                                                                                                                                                                                                                                                 |             |             |
| 22<br>2    | Before this delivery; did you know that Implants (Implnanon, Sinoplnat or Jadelle) can be                                                                                                                                                                                                                      | Yes.....1<br>No.....2                                                                                                                                                                                                                                                                                                                                                                 |             |             |

|            |                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                        |             |             |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|
|            | <b>inserted</b> right after or within 48hrs of having a baby?                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                        |             |             |
| 22<br>3    | Did a health service provider talked to you about immediate postpartum (within 48hr) IUCD and implants?                                                                              | Yes.....1<br>No.....2 → <b>226</b>                                                                                                                                                                                                                                                                                                                     |             |             |
| 22<br>4    | If yes to Q223, when was the first time your service provider talked to you that IUCD and implants can be given in the immediate postpartum period (within 48hr of delivery)?        | During ANC follow up.....1<br>During Labor for this baby....2<br>Right after delivery.....3                                                                                                                                                                                                                                                            |             |             |
| <b>No.</b> | <b>Questions and filters</b>                                                                                                                                                         | <b>Coding categories</b>                                                                                                                                                                                                                                                                                                                               | <b>Skip</b> | <b>Code</b> |
| 22<br>5    | How many times your service provider discussed with you about utilization LARC methods in the immediate postpartum period (within 48hrs of delivery)?<br><br>Explain what LARC means | One times.....1<br>Two times.....2<br>three times.....3<br>Other (specify)_____                                                                                                                                                                                                                                                                        |             |             |
| 22<br>6    | Did you receive LARC after you gave birth to this baby (within 48hr after delivery)?<br><br>Explain her about LARC                                                                   | Yes.....1<br>No.....2 → <b>234</b>                                                                                                                                                                                                                                                                                                                     |             |             |
| 22<br>7    | If yes to Q226 which type of LARC did you take?                                                                                                                                      | IUCD.....1<br>Implanon.....2<br>Sinoplant.....3<br>Jadelle.....4                                                                                                                                                                                                                                                                                       |             |             |
| 22<br>8    | At what time did you receive the LARC?                                                                                                                                               | Within 10 minutes of delivery.....1<br>After 10 min but within 48 hrs.....2                                                                                                                                                                                                                                                                            |             |             |
| 22<br>9    | When did you decide to have the LARC (mention the specific LARC that she took)?                                                                                                      | During ANC follow up.....1<br>During Labor for this baby....2<br>Right after delivery.....3                                                                                                                                                                                                                                                            |             |             |
| 23<br>0    | Why did you decide to have the LARC that you choose?<br><br>Multiples answers are possible (Interviewer don't read out the possible responses)                                       | Long acting.....1<br>Hormone free.....2<br>Medically safe.....3<br>Service available at the spot.....4<br>I'm familiar with the method.....5<br>My friend are using it.....6<br>Convenient to use.....7<br>The health service provider told me it is better than all other methods.....8<br>No other option given to me.....9<br>Other(specify)_____87 |             |             |
| 23<br>1    | Why you did not decide to receive LARC in the immediate postpartum period (within 48 hrs after delivery)?                                                                            | Fear of pain.....1<br>Fear of side effects.....2<br>Husband/partner disapproval.....3<br>Did not discussed with husband....4<br>Mather in law did not want.....5<br>Other accompany did not want.....6<br>I would like to use another method.....7                                                                                                     |             |             |



|                                                                                                                     |                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                        |             |             |
|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|
|                                                                                                                     |                                                                                                                                                                                                                                                          | 87                                                                                                                                                                                                                                     |             |             |
| 23<br>6                                                                                                             | If no to Q234, are you going to take modern family planning methods in the future?<br><br>Explain to her what modern family planning means?                                                                                                              | Yes.....1<br>No.....2 → 301                                                                                                                                                                                                            |             |             |
| 23<br>7                                                                                                             | If yes to Q236, when do you plan to take modern family planning methods?<br><br>Explain to her what modern family planning means?                                                                                                                        | At six weeks of delivery.....1<br>After six weeks of delivery.....2                                                                                                                                                                    |             |             |
| <b>No.</b>                                                                                                          | <b>Questions and filters</b>                                                                                                                                                                                                                             | <b>Coding categories</b>                                                                                                                                                                                                               | <b>Skip</b> | <b>Code</b> |
| 23<br>8                                                                                                             | Which type of modern family planning methods are you going to use?                                                                                                                                                                                       | Depo/Injectables.....1<br>IUCD.....2<br>Implants (Implanon, Sinoplant, Jadelle) underline one.....3<br>Pills.....4<br>Male condom.....5<br>Female condom.....6<br>Tubal ligation.....7<br>Vasectomy.....8<br>Other(specify).....<br>87 |             |             |
| 23<br>9                                                                                                             | Why do you want to use family planning?                                                                                                                                                                                                                  | For spacing.....1<br>For limiting.....2<br>Other<br>(specify).....87                                                                                                                                                                   |             |             |
| Check 226: If she received LARC <input type="checkbox"/> If she didn't received LARC <input type="checkbox"/> → 301 |                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                        |             |             |
| 24<br>0                                                                                                             | Do you have any concerns or questions regarding using LARC (mention the type of LARC that she used)                                                                                                                                                      | Yes.....1<br>No.....2 → 301                                                                                                                                                                                                            |             |             |
| 24<br>1                                                                                                             | What are the concerns or questions?<br><br>List all the concerns that she mentioned.<br><br>Probe: Any other concerns?                                                                                                                                   | 1. _____<br>2. _____<br>3. _____<br>4. _____<br>5. _____                                                                                                                                                                               |             |             |
| <b>Part III. Practice of respondents during the last delivery</b>                                                   |                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                        |             |             |
| 30<br>1                                                                                                             | What was the mode of delivery you had for your new baby that you gave birth in the last 48hrs?<br>Was it caesarean, that is, did they cut your belly open to take the baby out, or was it spontaneous vaginal delivery or instrumental vaginal delivery? | Spontaneous vaginal delivery.....1<br>Instrumental vaginal delivery.....2<br>Caesarean section.....3                                                                                                                                   |             |             |
| <b>Part IV: Satisfaction of respondents during the provision of LARC before this pregnancy</b>                      |                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                        |             |             |
| 40                                                                                                                  | Check 212: If ever used LARC                                                                                                                                                                                                                             | If ever not used LARC                                                                                                                                                                                                                  |             |             |

|                                                                                                                                                |                                                                                                                                                                           |                                                                                                            |             |             |
|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-------------|-------------|
| 1                                                                                                                                              | (answer 2or 3) before this pregnancy                                                                                                                                      | (answer other than 2or 3) before this pregnancy →                                                          | 501         |             |
| 40<br>1A                                                                                                                                       | How satisfied were you with the time the health worker spent with you during counseling for family planning before this pregnancy?                                        | Very satisfied .....1<br>Satisfied.....2<br>Neutral.....3<br>Dissatisfied.....4<br>Very dissatisfied.....5 |             |             |
| 40<br>2                                                                                                                                        | How satisfied were you with the availability of supplies and equipment used by the health worker while you were provided LARC before this pregnancy?                      | Very satisfied .....1<br>Satisfied.....2<br>Neutral.....3<br>Dissatisfied.....4<br>Very dissatisfied.....5 |             |             |
| <b>No.</b>                                                                                                                                     | <b>Questions and filters</b>                                                                                                                                              | <b>Coding categories</b>                                                                                   | <b>Skip</b> | <b>Code</b> |
| 40<br>3                                                                                                                                        | How satisfied were you with the overall cleanliness of any instrument or equipment used by the health worker while you were provided the LARC before this pregnancy?      | Very satisfied .....1<br>Satisfied.....2<br>Neutral.....3<br>Dissatisfied.....4<br>Very dissatisfied.....5 |             |             |
| 40<br>4                                                                                                                                        | How satisfied were you with the courtesy and respect offered by the provider during provision of the LARC before this pregnancy?                                          | Very satisfied .....1<br>Satisfied.....2<br>Neutral.....3<br>Dissatisfied.....4<br>Very dissatisfied.....5 |             |             |
| 40<br>5                                                                                                                                        | How satisfied were you with the measure taken to assure your privacy, comfort while you were provided LARC before this pregnancy?<br>E.g. private room, screened, etc     | Very satisfied .....1<br>Satisfied.....2<br>Neutral.....3<br>Dissatisfied.....4<br>Very dissatisfied.....5 |             |             |
| 40<br>6                                                                                                                                        | How satisfied were you with the professional competency and skill of the health worker(s) during the provision of LARC before this pregnancy?                             | Very satisfied .....1<br>Satisfied.....2<br>Neutral.....3<br>Dissatisfied.....4<br>Very dissatisfied.....5 |             |             |
| <b>Part V. Predisposing factor: A. Woman's attitude on interpregnancy intervals and utilization of LARC at the immediate postpartum period</b> |                                                                                                                                                                           |                                                                                                            |             |             |
| 50<br>1                                                                                                                                        | Like any women, I am susceptible to face pregnancy and delivery related complications if the interpregnancy interval is short (less than two years).                      | I agree.....1<br>Indifferent.....2<br>I disagree.....3                                                     |             |             |
| 50<br>2                                                                                                                                        | Pregnancy and delivery related complications that occur due to short interpregnancy interval can be severe and may be hazardous to the well being of any women.           | I agree.....1<br>Indifferent.....2<br>I disagree.....3                                                     |             |             |
| 50<br>3                                                                                                                                        | Pregnancy and delivery related complications that occur due to short interpregnancy interval can be severe and may be hazardous to the well being of the current newborn. | I agree.....1<br>Indifferent.....2<br>I disagree.....3                                                     |             |             |
| 50<br>4                                                                                                                                        | Pregnancy and delivery related complications that occur due to short interpregnancy interval can be severe and may be hazardous to the                                    | I agree.....1<br>Indifferent.....2<br>I disagree.....3                                                     |             |             |

|                                                                                                                              |                                                                                                                                                                                                             |                                                                                                                                                                                |             |             |
|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|
|                                                                                                                              | well being of the next newborn.                                                                                                                                                                             |                                                                                                                                                                                |             |             |
| 50<br>5                                                                                                                      | Women should plan ahead of time, like during ANC follow up, what type of modern family planning that she will took within 48hr of delivery.                                                                 | I agree.....1<br>Indifferent.....2<br>I disagree.....3                                                                                                                         |             |             |
| 50<br>6                                                                                                                      | A women shouldn't plan ahead of time how to get to the place where she will get LARC                                                                                                                        | I agree.....1<br>Indifferent.....2<br>I disagree.....3                                                                                                                         |             |             |
| 50<br>7                                                                                                                      | Women should not think of getting modern family planning such as LARC at the immediate postpartum period.                                                                                                   | I agree.....1<br>Indifferent.....2<br>I disagree.....3                                                                                                                         |             |             |
| <b>No.</b>                                                                                                                   | <b>Questions and filters</b>                                                                                                                                                                                | <b>Coding categories</b>                                                                                                                                                       | <b>Skip</b> | <b>Code</b> |
| 50<br>8                                                                                                                      | It should be only at or after six weeks of delivery that a women should think of getting modern family planning including LARC                                                                              | I agree.....1<br>Indifferent.....2<br>I disagree.....3                                                                                                                         |             |             |
| 50<br>9                                                                                                                      | Women shouldn't bother about getting pregnant within six weeks of delivery                                                                                                                                  | I agree.....1<br>Indifferent.....2<br>I disagree.....3                                                                                                                         |             |             |
| 51<br>0                                                                                                                      | Women do not get LARC in the immediate postpartum period because the health worker do not treat them respectfully                                                                                           | I agree.....1<br>Indifferent.....2<br>I disagree.....3                                                                                                                         |             |             |
| 51<br>1                                                                                                                      | Women are not sexually active within six weeks after delivery                                                                                                                                               | I agree.....1<br>Indifferent.....2<br>I disagree.....3                                                                                                                         |             |             |
| <b>Part V. Predisposing factor: B. Knowledge on short interpregnancy intervals and importance of family planning methods</b> |                                                                                                                                                                                                             |                                                                                                                                                                                |             |             |
| 51<br>2                                                                                                                      | Can you mention obstetric problems that can occur if the inter pregnancy interval is short?<br><br>(Probe: ask for the problems which are not mentioned spontaneously)<br><br>Record all mentioned.         | Yes No<br>Maternal Anemia.....1 2<br>Third trimester bleeding.....1 2<br>Puerperal endometritis.....1 2<br>Increased rate of maternal death.....1 2<br>Others (Specify).....87 |             |             |
| 51<br>3                                                                                                                      | Can you mention problems that can occur to your baby if you became pregnant in less than 18 months?<br><br>(Probe: ask for the problems which are not mentioned spontaneously)<br><br>Record all mentioned. | Yes<br>No<br>Preterm.....1 2<br>Low birth weight.....1 2<br>Increase rate of newborn death...1 2<br>Others (Specify).....87                                                    |             |             |
| 51<br>4                                                                                                                      | What do you think is the advantage of modern family planning related services in relation to short intern pregnancy intervals?                                                                              | Yes No<br>It will help me to plan the time of the future pregnancy...1 2<br>It will help me to make the interpregnancy interval at least two years.....1 2                     |             |             |

|                                                                               |                                                                                                                                                     |                                                                                                                                                                                                                                                                                           |             |             |
|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|
|                                                                               | (Probe: ask for the advantages which are not mentioned spontaneously)<br><br>Record all mentioned.                                                  | It will help me to limit my children number.....1 2<br>It will help for better health care to the women (for preventing morbidity and mortality).....1 2<br>It will help for better health care to the newborn (for preventing morbidity and mortality).....1 2<br>Others(Specify)_____87 |             |             |
| <b>No.</b>                                                                    | <b>Questions and filters</b>                                                                                                                        | <b>Coding categories</b>                                                                                                                                                                                                                                                                  | <b>Skip</b> | <b>Code</b> |
| <b>Part V. Predisposing factor: C. Knowledge on LARC methods</b>              |                                                                                                                                                     |                                                                                                                                                                                                                                                                                           |             |             |
| 51<br>5                                                                       | What are the methods that can prevent pregnancy for three and more than three years?                                                                | Implant.....1<br>IUCD.....2<br>Implant and IUCD.....3<br>Others(Specify)_____<br>I Don't Know.....4                                                                                                                                                                                       |             |             |
| 51<br>6                                                                       | For how long does Implants prevent pregnancy?                                                                                                       | For one year.....1<br>For two years.....2<br>For 3 to 5 years.....3<br>For more than 5 years.....4<br>I Don't Know.....5                                                                                                                                                                  |             |             |
| 51<br>7                                                                       | For how long does IUCD prevent pregnancy?                                                                                                           | For 1 to 4 years.....1<br>For 5 to 12 years.....2<br>For more than 12 years.....3<br>I Don't Know.....5                                                                                                                                                                                   |             |             |
| 51<br>8                                                                       | There is hormone free IUCD which is mostly available in our country.                                                                                | Yes.....1<br>No.....2<br>I Don't Know.....3                                                                                                                                                                                                                                               |             |             |
| 51<br>9                                                                       | A woman can become pregnant immediately upon removal of IUCD unless she has some other problems that can cause infertility.                         | Yes.....1<br>No.....2<br>I Don't Know.....3                                                                                                                                                                                                                                               |             |             |
| 52<br>0                                                                       | A woman can become pregnant immediately to within few months upon removal of implant unless she has some other problems that can cause infertility. | Yes.....1<br>No.....2<br>I Don't Know.....3                                                                                                                                                                                                                                               |             |             |
| <b>Part VI. Enabling factors (Availability and accessibility of services)</b> |                                                                                                                                                     |                                                                                                                                                                                                                                                                                           |             |             |
| 60<br>1                                                                       | Does this health facility have all modern family planning methods including LARCs?                                                                  | Yes.....1<br>No.....2<br>Don't know.....88                                                                                                                                                                                                                                                |             |             |
| 60<br>2                                                                       | Is there skilled health worker in the facility that can provide you LARC?                                                                           | Yes.....1<br>No.....2<br>Don't know.....88                                                                                                                                                                                                                                                |             |             |
| 60<br>3                                                                       | Do you have to pay for utilization of modern family planning methods including LARCs?                                                               | Yes.....1<br>No.....2<br>Don't know.....88                                                                                                                                                                                                                                                |             |             |
| 60<br>4                                                                       | Do you have access to Family planning information?                                                                                                  | Yes.....1<br>No.....2                                                                                                                                                                                                                                                                     | 701         |             |

|                                                                      |                                                                                                                                           |                                                                                                                                                                                                                                                                                             |             |             |
|----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|
| 60<br>5                                                              | What is the source of Family planning information?                                                                                        | Radio.....1<br>TV.....2<br>Newspaper.....3<br>Health workers.....4<br>Others (Specify).....87                                                                                                                                                                                               |             |             |
| <b>Part VII. Reinforcing factors (Influences and social support)</b> |                                                                                                                                           |                                                                                                                                                                                                                                                                                             |             |             |
| 70<br>1                                                              | What is your husband's attitude towards modern family planning methods in general?                                                        | Positive .....1<br>Negative .....2<br>Don't know.....87                                                                                                                                                                                                                                     |             |             |
| 70<br>2                                                              | What is your husband's attitude towards LARCs?                                                                                            | Positive .....1<br>Negative .....2<br>Don't know.....88                                                                                                                                                                                                                                     |             |             |
| <b>No.</b>                                                           | <b>Questions and filters</b>                                                                                                              | <b>Coding categories</b>                                                                                                                                                                                                                                                                    | <b>Skip</b> | <b>Code</b> |
| 70<br>3                                                              | Did you discussed about LARC with anyone other than a service provider before deciding on receiving LARC?<br><br>Explain what LARC means. | Yes.....1<br>No.....2                                                                                                                                                                                                                                                                       | 706         |             |
| 70<br>4                                                              | If yes to Q703, with whom did you discussed about LARC before deciding to use it?<br><br>Multiple responses are possible.                 | Husband.....1<br>Mother.....2<br>Mother in Law.....3<br>Sister.....4<br>Friend.....5<br>Other (specify).....6                                                                                                                                                                               |             |             |
| 70<br>5                                                              | If yes to Q703, what was the response from the above relative?                                                                            | Supportive.....1<br>Opposition.....2<br>Neutral.....3                                                                                                                                                                                                                                       |             |             |
| 70<br>6                                                              | What is the preference of your husband to the family planning methods after the delivery of this baby?                                    | Depo/Injectables.....1<br>IUCD.....2<br>Implants (Implanon, Sinoplant, Jadelle) underline one.....3<br>OCP.....4<br>Male condom.....5<br>Female condom.....6<br>LAM.....7<br>Tubal ligation.....8<br>Vasectomy.....9<br>Withdrawal.....10<br>Others (Specify).....87<br>I don't know.....88 |             |             |
| 70<br>7                                                              | What was the preference of your husband about the time of taking modern family planning methods?                                          | At the immediate postpartum period.....1<br>At six weeks of postpartum period.....2<br>After six weeks of postpartum period.....3<br>I don't know.....88                                                                                                                                    |             |             |

| 70<br>8                                  | What is the preference of other members of your family to the family planning methods after the delivery of this baby?                                             | Depo/Injectables.....1<br>IUCD.....2<br>Implants (Implanon, Sinoplant, Jadelle) underline one.....3<br>OCP.....4<br>Male condom.....5<br>Female condom.....6<br>LAM.....7<br>Tubal ligation.....8<br>Vasectomy.....9<br>Withdrawal.....10<br>Others (Specify).....88<br>I don't know.....87 |                          |                              |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------------------|
| No.                                      | Questions and filters                                                                                                                                              | Coding categories                                                                                                                                                                                                                                                                           | Skip                     | Code                         |
| 70<br>9                                  | What was the preference of other members of your family about the time of taking modern family planning methods?                                                   | At the immediate postpartum period.....1<br>At six weeks of postpartum period.....2<br>After six weeks of postpartum period.....3<br>I don't know.....88                                                                                                                                    |                          |                              |
| <b>Part VIII. Women's decision power</b> |                                                                                                                                                                    |                                                                                                                                                                                                                                                                                             |                          |                              |
| 80<br>1                                  | Who usually makes decisions about health care for yourself: you, your husband/partner, you and your husband/partner jointly, or someone else?                      | Respondent.....1<br>My husband/partner.....2<br>Respondent and Husband/partner jointly .....3<br>My family & relatives.....4<br>Health professionals.....5<br>Others (Specify).....87                                                                                                       |                          |                              |
| 80<br>2                                  | Who is the decision maker for utilization of family planning?                                                                                                      | Respondent.....1<br>My husband/partner.....2<br>Respondent and Husband/partner jointly .....3<br>My family & relatives.....4<br>Health professionals.....5<br>Others (Specify).....87                                                                                                       |                          |                              |
| 80<br>3                                  | Check 226<br>If the women received LARC after she gave birth to this baby (within 48hr after delivery)                                                             | If the women didn't receive LARC after she gave birth to this baby (within 48hr after delivery)                                                                                                                                                                                             | <input type="checkbox"/> | <input type="checkbox"/> 804 |
| 80<br>3A                                 | If the women received LARC after she gave birth (within 48hr after delivery) to this baby, who made the final decision to receive LARC within 48hr after delivery? | Respondent.....1<br>My husband/partner.....2<br>Respondent and Husband/partner jointly .....3<br>My family & relatives.....4<br>Health professionals.....5                                                                                                                                  |                          |                              |

|    |                                                                                                                                                                              |                                                                                                                                                                                   |  |  |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
|    |                                                                                                                                                                              | Others (Specify) 87                                                                                                                                                               |  |  |
| 80 | If the women didn't receive LARC after she gave birth (within 48hr after delivery) to this baby, who made the final decision not to receive LARC within 48hr after delivery? | Respondent.....1<br>My husband/partner.....2<br>Respondent and Husband/partner jointly .....3<br>My family & relatives.....4<br>Health professionals.....5<br>Others (Specify) 87 |  |  |

Date of data collection \_\_\_\_\_  
Name of data collector \_\_\_\_\_  
Code of data collector \_\_\_\_\_  
Signature of data collector \_\_\_\_\_  
Name and signature of supervisor \_\_\_\_\_

**ቅፅ 1፡ መጠይቅ (መረጃ መስብሰቢያ መሣሪያ)**

**በመረጃ ላይ የተመሠረተ ፈቃደኝነት**

እናትየው ከጤና ድርጅቱ መውጣት እንደምትችል እንደተወሰነ ቶሎ ይቅረባት።

አንድምን አኩ? ሰማይ አባካክሁ። "በአዲስ አበባ ከተማ ወሰን ባኩ የመንግስት ጤና ድርጅቶች ውስጥ የወከደ አናቶች ምን ይህኩ በመሆኔ ውስጥ አና በአጅ ጡንቻ ስር የሚቀበሩ ከረጅም ጊዜ የሚያገኙበት የአርግጠና መከላከያዎችን በወከደ በአርግ ስምንት ሰዓት ውስጥ ተጠቃሚ አንደሆኑ አና ከዚሁ አጠቃቀም ጋር የተያየዱ ወሳኝ ምክንያቶችን" በሚያጠናው ጥናት ካይ የመረጃ ሰብሳቢዎች በድን አባል ነኝ። (ከጤና ቢሮ የተጻፈውን የድጋፍ ደብዳቤ ያሳይዋቸው)። የሚሰበሰበው መረጃ ከመንግስት አካላት አና ከከኩት ባከደርሻ አካላት በመሆኔ ውስጥ አና በአጅ ጡንቻ ስር የሚቀበሩ ከረጅም ጊዜ የሚያገኙበት የአርግጠና መከላከያዎችን አናቶች በወከደ በአርግ ስምንት ሰዓት ውስጥ ተጠቃሚ የሚሆኑበት አገልግሎት አንደሻሻል አንደሆነበት አንደጠቀሙበት የሚሰራጭ ይሆናል። አርሶ ከጥናቱ ተመርጠዋል። የተወሰኑ ጥያቄዎችን ከጠይቀች አፈክራክሁ። ጥያቄዎቼን ከመጠየቅ አስከ 30 ደቂቃ ገደማ የሚሆን ጊዜ ይወሰዳል። የሚሰጡኝ መልሶች በሙኩ በሚሰጥሮ የሚጠበቁ ሲሆን ከጥናት በድኑ በስተቀር የሰጡኝን መልስ ከከኩት ሰዎች አናገናኛለሁ። በዚህ ጥናት ካይ የሚሳተፉት በርሰዎ ሙኩ ፍቃደኝነት ሲሆን አንድንድ ጥያቄዎችን ወይም ሁኔታዎችን ጥያቄዎች አከመመከስ ይችላሉ።ኃገር ግን የርሰዎ ተሳትፎና አስተያየቶች በአዲስ አበባ አና በሀገራችን ከሚገኙ በመውከድ ሰዶሜ ነጠጫ ውስጥ ካኩ ሴቶች አና ከጨቅካ አባናት ጤንነት አጅግ ጠቃሚ ስኬሆኑ በዚህ ጥናት ካይ አንደሚሳተፉ ሙኩ ተስፋ ያካኝ ሲሆን ፤ አኔም አርሰዎ በጥናቱ አንደሳተፋ አያበረታታሆን ፤ ከተሳትፎዎ የሚኖረኝን ነፍተኛ አድናቆት ከወደሁ ከገጠኩት አወደክሁ። ስከጥናቱ ከጠይቁኝ የሚፈልገኑ ጥያቄ አክ?

ጥያቄውን መጀመር አችካክሁ ?

የጥናቱ ተሳታፊ (የመካሄዱ) ስም \_\_\_\_\_ ፊርማ \_\_\_\_\_ ቀን \_\_\_\_\_

የጠያቂው ፊርማ \_\_\_\_\_ ቀን \_\_\_\_/\_\_\_\_/\_\_\_\_ የተጀመረበትሰዓት \_\_\_\_\_ ያከቀበት ሰዓት \_\_\_\_\_

መካሄዱ ከቃክምጤኑ ፈቃደኛ ካልሆኑ ያመሰግናቸው አና ወደሚቀጥኩት መካሄድ ይሂዱ።

መካሄዱ ከቃክምጤኑ ፈቃደኛ ከሆኑ ጥያቄዎን ይቀጥኩ።

1. የመጨረሻው ጤናዎን የወከደች መቼ ነው? \_\_\_\_\_ ወር \_\_\_\_\_ ዓ.ም

ባከፋት 48 ሰዓታት ውስጥ ነው? 1. አዎ 2. አይደለም

ባከፋት 48 ሰዓታት ውስጥ የወከደ ካልሆነ ከቃክ ምጤኑ አጩ አይደለም።

2. የመጨረሻው ጤናዎን የወከደች አዲስ አበባ የመንግስት ጤና ድርጅት ውስጥ ነው? 1. አዎ 2. አይደለም

የመጨረሻ ጤናዎን የወከደች አዲስ አበባ የመንግስት ጤና ድርጅት ውስጥ ካልሆነ ከቃክ ምጤኑ አጩ አይደለም።

3. አዲስ አበባ ውስጥ መኖር የጀመሩት መቼ ጀምሮ ነው? \_\_\_\_\_ ወር \_\_\_\_\_ ዓ.ም

ከ1 ዓመት በታች ነው ወይስ በካይ? 1. ከ1ዓመት በታች 2. ከ1 ዓመት በካይ

ከ1ዓመት (ከ12 ወራት) በታች ከሆነ መካሄዱ ከቃክ ምጤኑ አጩ አይደለም።

የጥያቄ ተ. ቁ 01 ምክንያት አዎ ከሆነ፤ የጥያቄ ተ. ቁ 02 ምክንያት አዲስ አበባ ውስጥ ከሆነ አና የጥያቄ ተ. ቁ 03 ምክንያት ከ1ዓመት በካይ ከሆነ፤ መካሄዱ ከቃክ ምጤኑ አጩ ናቸው። በመሆኑም ዋናውን ቃክ ምጤኑ ይቀጥኩ።

001. የመጠይቅ ኮድ \_\_\_\_\_

002. አድራሻ፡ የከፍከ ከተማ ስም \_\_\_\_\_ ወረዳ \_\_\_\_\_ ቀበሌ \_\_\_\_\_

003. የካርድ ቁጥር \_\_\_\_\_ ስኬክ ቁጥር \_\_\_\_\_

**ክፍል 1. የመላሻ ማህበራው ሁኔታዎች/ምክንያቶች**

| ተ.ቁ | ጥያቄ እና ማጣሪያ                                                                                                                                      | ኮድ ክፍል                                                                                                                                                                                                     | ወደ ተቀላሳው ቁጥር ይሂዱ | ኮድ |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|----|
| 101 | በምን ወርህ ባመተ ምህረት ነው የተወከደት?                                                                                                                      | ወር _____ ባ.ም<br>ወሩን አካውቅም=98<br>ባመተምህረቱን አካውቅም =9998                                                                                                                                                       |                  |    |
| 102 | የመጨረሻው የክፍት ቀን ሰድሞ ስንት ነበር?                                                                                                                      | አስመጨረሻው የክፍት ቀን ያከው<br>ሰድሞ በባመተ _____                                                                                                                                                                      |                  |    |
| 103 | ከጥያቄ 101 ጋር በማነፃፀር ትክክለኛ መሆኑን አከመሆኑን ያረጋግጡ ት/ቤት ዝቅተው ተምረው ያወቃኩ ?                                                                                 | አዎ -----<br>-----1<br>የአዎ (አካውቅም) -----<br>-----2                                                                                                                                                          | 106              |    |
| 104 | ነፍተኛው የተማሩት የትምህርት ደረጃ:- የመጀመሪያ ደረጃ፣ ሁለተኛ ደረጃ ፣ የቴክኒክና መያ ወይስ ነፍተኛ ነው?                                                                           | የመጀመሪያ ደረጃ -----<br>--1<br>ሁለተኛ ደረጃ -----<br>2<br>ቴክኒክና መያ -----3<br>ነፍተኛ -----<br>-----4                                                                                                                  |                  |    |
| 105 | በጠቀሱት የትምህርት ደረጃ ስንተኛ ነፍታ ድረስ ወይም ምን ያህል ባመት ጨርሰዋል?                                                                                              | የነፍታ ደረጃ /የጨረሱት ባመት ብዛት _____                                                                                                                                                                              |                  |    |
| 106 | በጠቀሱት የትምህርት ደረጃ ከአንድ ባመት በታች ከጨረሱ '00' ይመዝግቡ ከማንበብ ወይም ከማንበብና አና ከመፃፍ የሚረዱ ትምህርት ተምረዋል?                                                         | አዎ -----<br>-----1<br>የአዎ (አካውቅም) -----2                                                                                                                                                                   | 108              |    |
| 107 | አሁን ይህንን ባረፍተ ነገር አንደኛውን በአንብቦት አጠይቅታለሁ?<br><br>ከመካሄድ የሚነበባውን ነገር ያሳይዋቸው።<br>መካሄድ ባረፍተ ነገሩን ማንበብ ነገሩን ይገፋፋቸው። ከባረፍተ ነገሩ የተወሰነውን ነፍታ ኢያካብኔን ይቻላል? | ምንም ማንበብ አይቻልም -----1<br>ባረፍተ ነገሩን የተወሰነ ነፍታ ብቻ ማንበብ ይቻላል -----<br>--2<br>ባረፍተ ነገሩን በመካከል ማንበብ ይቻላል -----3<br>መካሄድ በሚችሉት ቋንቋ የሚነበብ ነገር የአዎ -----4<br>ቋንቋው ይጠቀስ -----<br>ባይነ ስወር/በባይነ የሚሆኑ ችግር ያከባቸው -----5 |                  |    |
| 108 | የገብቻ ሁኔታ ምን ይመስልዎታል?<br><br>አሁን በትዳር ካይ ነዎት ወይም ከወንድ ጋር አብረው ሌላ አንድትዳር አይነት አየኛሩ ነው? ባል ሞቶቦታል? ከባልዎ ተፋተዋል? ከባልዎ ተከያይተዋል ወይስ ጭራሽ አካባቢዎ?           | አሁን በትዳር ካይ ነኝ -----1<br>ከወንድ ጋር ሌላ አንድትዳር አየኛሩ ነው -----2<br>ባል ሞቶቦታል -----<br>-----3<br>ከባል ተፋተኝ -----<br>-4<br>ከባል ተከያይቻለሁ -----<br>5<br>አገብቼ አካውቅም -----<br>--6                                         | 112              |    |
| 109 | መጀመሪያ ሲያገቡ ሰድሞ ስንት ነበር?                                                                                                                          | ሰድሞ ( በመካከል ባመተ ይቀመጥ) _____                                                                                                                                                                                |                  |    |
| 110 | የባክሌቶ የትምህርት ደረጃ ምን ያህል ነው?                                                                                                                      | የመጀመሪያ ደረጃ -----1<br>ሁለተኛ ደረጃ -----<br>2<br>ቴክኒክና መያ -----3<br>ነፍተኛ -----<br>-----4<br>ማንበብና መፃፍ ብቻ -----5<br>ማንበብና መፃፍ አይቻልም -----6<br>አካውቅም -----<br>--87                                                |                  |    |
| 111 | የባክሌቶች /አገሮች መተዳደሪያ ሥራ ምንድን ነው?<br>ማከትም ምን አይነት ስራ ነው በብዛት የሚሰሩት?                                                                                | በራሳቸው ድርጅት የቀተጠሩ -----1<br>በግል ድርጅት የቀተጠሩ -----2<br>በመንግሥት ድርጅት የቀተጠሩ -----3<br>ነገሩ -----<br>-----4<br>ገበሬ -----<br>-----5<br>ተማሪ -----<br>-----6<br>ሌላ ( ይገኙዎት ) -----<br>87                              |                  |    |

| ተ.ቁ | ጥያቄ እና ማጣሪያ                                               | ኮድ ክፍል                                                                                                             | ወደ ተቀላሳው ቁጥር ይሂዱ | ኮድ |
|-----|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|------------------|----|
| 112 | የአርሶ መተዳደሪያ ሥራ ምንድን ነው?<br>ማከትም ምን አይነት ስራ ነው በብዛት የሚሰሩት? | የቤት አመባላት 1<br>በራሳቸው ድርጅት የቀተጠሩ -----2<br>በግል ድርጅት የቀተጠሩ -----3<br>በመንግሥት ድርጅት የቀተጠሩ -----4<br>ነገሩ -----<br>-----5 |                  |    |

|                                                                                                                                                                                                                                                                                                                                                       |                                                                                                 |                                                                                                                                  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--|--|
|                                                                                                                                                                                                                                                                                                                                                       |                                                                                                 | ንበረ-----6<br>ተማሪ-----<br>ከካ ( ይኸጽ)-----87                                                                                        |  |  |
| 113                                                                                                                                                                                                                                                                                                                                                   | አማካኝ የቤት የወር ንቢ ምን ያህል ነው? (ሁኑንም ንቢ ጨምሮ ማክትም የአርሶን እና ከኤችን የቤት የንቢ ምንጮችን ጨምሮ)                   | አካውቅም-----<br>-----88<br>ንቢ የክኝም-----<br>-----86                                                                                 |  |  |
| ጥያቄ ተ. ቁ 107 ይመልከቱ<br>ነቁ 2፣ 3. ወይም 4 ከተነበቡ <span style="border: 1px solid black; display: inline-block; width: 40px; height: 20px; vertical-align: middle;"></span> ነቁ 1 ወይም 5 ከተነበቡ <span style="border: 1px solid black; display: inline-block; width: 40px; height: 20px; vertical-align: middle;"></span> <span style="float: right;">→115</span> |                                                                                                 |                                                                                                                                  |  |  |
| 114                                                                                                                                                                                                                                                                                                                                                   | በሰሞኑት አንድ ጊዜ ወይም ከዛ ባላለ ጊዜ ጋዜጣ ወይም መሰረት ያነበቡ ወይም ሌላ አድራሻ አሉ?                                    | ቢያንስ በሰሞኑት አንድ ጊዜ-----1<br>በሰሞኑት ከአንድ ጊዜ ያላለ-----2<br>ሌላ አድራሻ አሉ-----3                                                           |  |  |
| 115                                                                                                                                                                                                                                                                                                                                                   | ቴክኒሻን ወይም ልዩ ወይም ሌላ ዓይነት አሉ?                                                                    | ቴክኒሻን ብቻ አካላት-----1<br>ልዩ ብቻ አካላት-----2<br>ልዩና ቴክኒሻን አካላት-----3<br>ልዩም ሆነ ቴክኒሻን የአካላት-----4                                      |  |  |
| 116                                                                                                                                                                                                                                                                                                                                                   | በሰሞኑት አንድ ጊዜ ወይም ከዛ ባላለ ጊዜ ልዩ ዓይነት ወይም ሌላ አድራሻ አሉ? (ልዩ በቤት ብቻ ሳይሆን ከሌላ ሌላ ማዕከላዊም ይጨምራል)         | ቢያንስ በሰሞኑት አንድ ጊዜ-----1<br>በሰሞኑት ከአንድ ጊዜ ያላለ-----2<br>ሌላ አድራሻ አሉ-----3                                                           |  |  |
| 117                                                                                                                                                                                                                                                                                                                                                   | በሰሞኑት አንድ ጊዜ ወይም ከዛ ባላለ ጊዜ ቴክኒሻን ይመዘገባል ወይም ሌላ አድራሻ አሉ? (ቴክኒሻን በቤት ብቻ ሳይሆን ከሌላ ሌላ መዕከላዊም ይጨምራል) | ቢያንስ በሰሞኑት አንድ ጊዜ-----1<br>በሰሞኑት ከአንድ ጊዜ ያላለ-----2<br>ሌላ አድራሻ አሉ-----3                                                           |  |  |
| 118                                                                                                                                                                                                                                                                                                                                                   | የየትኛው ሕይወት ወይም አምላክ ተነታይ ነው?                                                                    | አርቶዳክስ-----<br>--1<br>ክብረት-----<br>-----2<br>ንግድ-----<br>3<br>መስከረም-----<br>-----4<br>ከሌላ አምላክ-----5<br>ከሌላ (ይጠቀስ)-----<br>----6 |  |  |
| 119                                                                                                                                                                                                                                                                                                                                                   | ዘርጉ ምንድነው?<br><br>ሞናው የዘረፈው ክፍል ይመዝገባል                                                          |                                                                                                                                  |  |  |

**ክፍል 2 . ከአርግዝና እና ወሊድ ጋር የተያያዙ ሁኔታዎች (ምክንያቶች)**

|     |                                                                  |                                        |       |  |
|-----|------------------------------------------------------------------|----------------------------------------|-------|--|
| 201 | በመጀመሪያ አርግዝናዎ ወቅት ሰዓታዊ ስንት ባመጥነው ነበር?                            | ሰዓታዊ (በመካከል ባመጥነው ይቀመጥ) _____          |       |  |
| 202 | አሁን በሕይወትዎ በመካከል ስለተነሳሱት ሁኔታዎች አርግዝናዎን ከመያዝ አደረጉት ስንት ጊዜ አርግዝናዎ? | የአርግዝና ብዛት _____                       |       |  |
| 203 | ወርጃ ሕጋዊዎች ያውቃል?                                                  | አዎ-----<br>-----1<br>የአዎ (አዎንታዊ)-----2 | → 205 |  |
| 204 | አሰራሪ ስንት ወርጃዎች ተነሳሽነቱ?                                           | የወርጃ ብዛት _____                         |       |  |

| ተ. ቁ | ጥያቄ እና ማጣሪያ                                                | ኮድ ክፍል                                                  | ወደ ተቀሰው ቁጥር ይሄዱ | ኮድ |
|------|------------------------------------------------------------|---------------------------------------------------------|-----------------|----|
| 205  | ምን ያህል ወንድና ሴት ከጅ ወከደዎቹ? (በሕይወትዎ ሆድ ወስደው የተወከዱትን ጨምሮ) .    | ወንድ: በሕይወት የተወከዱ ብዛት _____<br>ሴት: በሕይወት የተወከዱ ብዛት _____ |                 |    |
| 206  | አርሶና ባከብቶ ተጨማሪ ገንዘብ ከመወከድ ሰዓታዊ አሉ?                         | አዎ-----<br>--1<br>የአዎ-----2                             | → 208           |    |
| 207  | የጥያቄ 206 መልስ አዎ ከሆነ ከዚህ ጀምሮ ምን ያህል ጊዜ ቆይተው ነው ማርገዝ የሚፈልጉት? | ----- ወር                                                |                 |    |

|     |                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                       |                 |    |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----|
| 208 | ስከ ኦሮሚያን መካከል ዘይምት ሰምተው ያውቃሉ?                                                                                                                                                                      | አዎ-----<br>-1<br>የአም-----2                                                                                                                                                                                                                                                                                                                                                            |                 |    |
| 209 | የጥያቄ 208 መልስ አዎ ነበረ፤ ስከ ኦሮሚያን መካከል ዘይምት ከመጀመሪያ ጊዜ የሰሙት ነጣሩ ነው?                                                                                                                                     | ነገረቤት-----<br>-----1<br>ነጻደኞቹ-----<br>-----2<br>ነዘመዶቹ-----<br>-----3<br>ነጠና ባከመደምት-----4<br>ነመገናኛ ብዙሃን-----<br>-5<br>ነባከቤቱ-----<br>-----6<br>ነትምህርት ቤት-----<br>-7<br>ከካ (ይጠቀስ)-----<br>-----87                                                                                                                                                                                        |                 |    |
| 210 | ምን ምን የሚባሉ የኦሮሚያን መካከል ዘይምትን ያውቃሉ?<br>(መካሄድ የሚመልሱትን ብቻ ያካተቡ)<br><br>ይገፋፋቸው:- ከካስ?                                                                                                                  | በመርፌ የሚሰጥ-----<br>-----1<br>በሚሰጠው ውስጥ የሚቀበር-----<br>-----2<br>በአድራሻው ስር የሚቀበር (የ 3 አመት፣<br>የ4 አመት፣ የ 5 አመት) ---አንድ ካይ ያስምሩ-----3<br>ነገረኛት-----<br>-----4<br>የወንድ ነጻደም-----<br>-----5<br>የሴት ነጻደም-----<br>-----6<br>ጡት ማጥጣት-----<br>-----7<br>የሚሰጠው ትቦ መቋጠር-----<br>-----8<br>የወንድ የዘር ፍሬ መተካከፊያ ትቦ መቋጠር-----9<br>የወንድ የዘር ፍሬ ስለሰጠ ከሴት ብልት ውጭ ማፍሰስ-----10<br>ከካ (ይጠቀስ)-----<br>-----87 |                 |    |
| 211 | አሁን የወከደትን/ደትን ጨቅ የኦሮሚያን በፊት ኦሮሚያን መካከል ተጠቅመው ያውቃሉ?                                                                                                                                                | አዎ-----<br>-1<br>የአም-----2                                                                                                                                                                                                                                                                                                                                                            | 213             |    |
| 212 | የጥያቄ 211 መልስ አዎ ነበረ፤ ምን አይነት የኦሮሚያን መካከል ነበር የተጠቀሙት?<br><br>(መጀመሪያ መካሄድ አንድ ዘመን አንድ ቀን ነው)<br><br>ይገፋፋቸው:- ከካ አይነት የኦሮሚያን መካከል ነው?<br>ነጻደኞቹ በካይ መልስ ይገኛሉ።<br><br>ሁኔታው የተጠቀመው የኦሮሚያን መካከል ዘይምት ያካተቡ | በመርፌ የሚሰጥ-----<br>-----1<br>በሚሰጠው ውስጥ የሚቀበር-----<br>-----2<br>በአድራሻው ስር የሚቀበር (የ 3 አመት፣<br>የ4 አመት፣ የ 5 አመት) ---አንድ ካይ ያስምሩ-----3<br>ነገረኛት-----<br>-----4<br>የወንድ ነጻደም-----<br>-----5<br>የሴት ነጻደም-----<br>-----6<br>ጡት ማጥጣት-----<br>-----7<br>የሚሰጠው ትቦ መቋጠር-----<br>-----8<br>የወንድ የዘር ፍሬ መተካከፊያ ትቦ መቋጠር-----9<br>የወንድ የዘር ፍሬ ስለሰጠ ከሴት ብልት ውጭ ማፍሰስ-----10<br>ከካ (ይጠቀስ)-----<br>-----87 |                 |    |
| 213 | የቅርብ ጊዜው ኦሮሚያን (አሁን የወከደት ጨቅ ኦሮሚያን) የታቀደ ነበር?                                                                                                                                                      | አዎ-----<br>-1<br>የአም-----2                                                                                                                                                                                                                                                                                                                                                            |                 |    |
| 214 | አሁን የወከደትን ጨቅ (ማከትም ሰድሞው ነፃ ሰጥቶ በታች የሆነው) ኦሮሚያን በነበረበት ወቅት ከኦሮሚያን ነጻደኞቹ ብዙው ያዩት ሰው (የሐይማኖት ቦታ) ነበር?                                                                                                | አዎ-----<br>-----1<br>የአም-----<br>-----2                                                                                                                                                                                                                                                                                                                                               | 219             |    |
| ተ.ቁ | ጥያቄ እና ማጣሪያ                                                                                                                                                                                        | ኮድ ክፍል                                                                                                                                                                                                                                                                                                                                                                                | ወደ ተቀሰው ቁጥር ይሂዱ | ኮድ |
| 215 | የመጨረሻው ጨቅ ማከትም ሰድሞው ነፃ ሰጥቶ በታች የሆነውን ጨቅን ኦሮሚያን በነበረበት ወቅት የኦሮሚያን ነጻደኞቹ ያዩረጉት የት ነበር?<br><br>ከካ ቦታስ?<br>የተከታተሉትን ቦታ አንድ ያገኛሉ።                                                                       | መኖሪያ ቤት<br>የኦሮሚያን መኖሪያ ቤት-----<br>-----a<br>ከካ መኖሪያ ቤት-----<br>-----b<br>የመንግሥት ድርጅት                                                                                                                                                                                                                                                                                                  |                 |    |

|     |                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                      |                 |    |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----|
|     | የግዜ ወይም የመንግስት ጤና ድርጅት መሆኑን መግለጽ ካልተቻለ ከትኩረት ያደረገበትን ቦታ ይጻፉ። ከትኩረት ያደረገበት ቦታ _____                                                          | የመንግስት ሆስፒታል -----<br>-----C<br>የመንግስት ጤና አጠባበቅ ጣቢያ -----<br>-----d<br>የመንግስት ከኢኒስ -----<br>-----e<br>የመንግስት ጤና ኪክ -----<br>-----f<br>ኪክ የመንግስት (ይገኝ) -----g<br>መንግስታዊ ያልሆነ ድርጅት (NGO) ጤና ተቋም -----h<br>የግል አክሱም ድርጅት -----<br>የግዜ ሆስፒታል -----<br>-----i<br>የግዜ ከኢኒስ -----<br>-----j<br>ኪክ የግዜ ሕክምና (ይገኝ) -----k<br>ኪክ (ይገኝ) -----87 |                 |    |
| 216 | ማኅበራዊ የአፍሪካና ክትትል (የቅድመ ወኪል ሕክምና ክትትል) ያደረገው?<br><br>ኪክ?<br><br>ይገልፋቸው፡- ሁከትም የተጠቀሱ ባከሙዎች ይመዘገባቸው                                           | የጤና ባለሙያ -----a<br>ደክተር -----<br>ኅርስ/ አዋካይ ኅርስ -----b<br>የጤና አክሱምን ሰፊ ተቋም -----c<br>ኪክ የጤና ባከሙዎ (ይገኝ) -----d<br>ሌላ ሰው -----<br>የሰላማዊ የክልላዊ አዋካይ -----e<br>የክልላዊ የክልላዊ አዋካይ -----f<br>በጥሩ ፈቃድ የሆነ/ች የአካባቢ ጤና ሠራተኛ -----g<br>ኪክ (ይገኝ) -----87                                                                                          |                 |    |
| 217 | ከዚህ አፍሪካና የአፍሪካና ክትትል (የቅድመ ወኪል ሕክምና ክትትል) ማድረግ የቻለው የሰዓት ወር አፍሪካ አያኑ ነበር? (የመጀመሪያውን ክትትል ሲያደርጉ የሰዓት ወር አፍሪካ ነበር?)                          | ወር -----<br>አካውንት -----<br>-----88                                                                                                                                                                                                                                                                                                   |                 |    |
| 218 | በዚህ አፍሪካና የአፍሪካና ክትትል (የቅድመ ወኪል ሕክምና ክትትል) ምን ያህል ጊዜ ተመክረዋል?<br>(ሰዓት ጊዜ ከቅድመ ወኪል ሕክምና ክትትል ሂደቱ)                                             | የአፍሪካና ክትትል ብዛት -----<br>አካውንት -----<br>-----88                                                                                                                                                                                                                                                                                      |                 |    |
| 219 | የጤና ባከሙዎች ስለ አፍሪካና መከላከያ ዘዴዎች አረጋግጧል ይታያል?                                                                                                  | አዎ -----<br>-1<br>የአዎ -----2                                                                                                                                                                                                                                                                                                         | 221             |    |
| 220 | የጥያቄ 219 መልስ አዎ ከሆነ መቼ ነበር የጤና ባከሙዎ ስለ አፍሪካና መከላከያ ዘዴዎች ያረጋገጧል?                                                                             | በአፍሪካና ክትትል ወቅት -----1<br>ይህንን ጊዜ አያመለክቱ ባከሰት ወቅት -----2<br>ይህንን ጊዜ በወከደኑ በ48 ሰዓት ውስጥ -----3                                                                                                                                                                                                                                         |                 |    |
| 221 | የሁሉን ጊዜዎችን ከመወከድ በፊት በማህበረ ሰብረው የሂደቱ ጊዜ የአፍሪካና መከላከያ ዘዴ ወደፊት አንደኛው ወይም በወከደ በ48 ሰዓት ውስጥ በማህበረ ሰብረው ከቀበረ አንደኛው ይታያል ነበር?                     | አዎ -----<br>-1<br>የአዎ -----2                                                                                                                                                                                                                                                                                                         |                 |    |
| 222 | የሁሉን ጊዜዎችን ከመወከድ በፊት በአንድ ጥንቅቅ ሰር የሚቀበሩት የሂደቱ ጊዜ የአፍሪካና መከላከያ ዘዴዎች ወደፊት አንደኛው ወይም በወከደ በ48 ሰዓት ውስጥ በአንድ ጥንቅቅ ሰር ከቀበረ አንደኛው ይታያል ነበር?        | አዎ -----<br>-1<br>የአዎ -----2                                                                                                                                                                                                                                                                                                         |                 |    |
| 223 | በወከደ በ48 ሰዓት ውስጥ በማህበረ ሰብረው አንድ በአንድ ሰር ከቀበረ ሰከሚችኩ የሂደቱ ጊዜ የአፍሪካና መከላከያ ዘዴዎች የጤና ባከሙዎች አረጋግጧል?                                              | አዎ -----<br>-1<br>የአዎ -----2                                                                                                                                                                                                                                                                                                         | 226             |    |
| 224 | የጥያቄ 223 መልስ አዎ ከሆነ መቼ ነበር ከመጀመሪያ ጊዜ የጤና ባከሙዎች፣ በወከደ በ48 ሰዓት ውስጥ በማህበረ ሰብረው አንድ በአንድ ጥንቅቅ ሰር ከቀበረ ሰከሚችኩ የሂደቱ ጊዜ የአፍሪካና መከላከያ ዘዴዎች ያረጋገጧል?   | በአፍሪካና ክትትል ወቅት -----1<br>ይህንን ጊዜ አያመለክቱ ባከሰት ወቅት -----2<br>ይህንን ጊዜ በወከደኑ በ48 ሰዓት ውስጥ -----3                                                                                                                                                                                                                                         |                 |    |
| ተ.ቁ | ጥያቄ እና ማጣሪያ                                                                                                                                 | ኮድ ክፍል                                                                                                                                                                                                                                                                                                                               | ወደ ተቀሰው ቁጥር ይሂዱ | ኮድ |
| 225 | ሰዓት ጊዜ ነበር የጤና ባከሙዎች፣ በወከደ በ48 ሰዓት ውስጥ በማህበረ ሰብረው አንድ በአንድ ጥንቅቅ ሰር ከቀበረ ሰከሚችኩ የሂደቱ ጊዜ የአፍሪካና መከላከያ ዘዴዎች ያረጋገጧል?                             | አንድ ጊዜ -----<br>-1<br>ሁከት ጊዜ -----<br>-2<br>ሰዓት ጊዜ -----<br>-3<br>ኪክ (ይገኝ) -----                                                                                                                                                                                                                                                     |                 |    |
| 226 | በወከደ በ48 ሰዓት ውስጥ በማህበረ ሰብረው ወይም በአንድ ጥንቅቅ ሰር የሚቀበሩ የሂደቱ ጊዜ የአፍሪካና መከላከያ ዘዴዎች ተደርገዋል?                                                        | አዎ -----<br>-1<br>የአዎ -----2                                                                                                                                                                                                                                                                                                         | 234             |    |
| 227 | የጥያቄ 226 መልስ አዎ ከሆነ የትኛውን ባይነት የሂደቱ ጊዜ የአፍሪካና መከላከያ ዘዴ ተጠቅመዋል?                                                                              | በማህበረ ሰብረው የሚቀበሩ -----<br>-----1<br>በአንድ ጥንቅቅ ሰር የሚቀበሩ ከ3 አመት የሚያገኙ -----2<br>በአንድ ጥንቅቅ ሰር የሚቀበሩ ከ4 አመት የሚያገኙ -----3<br>በአንድ ጥንቅቅ ሰር የሚቀበሩ ከ5 አመት የሚያገኙ -----4                                                                                                                                                                       |                 |    |
| 228 | መቼ ነው የሂደቱ ጊዜ የአፍሪካና መከላከያ ዘዴውን የወሰዱት?<br><br>የሂደቱ ጊዜ የአፍሪካና መከላከያ የምንለቸው በማህበረ ሰብረው ወይም በጥንቅቅ ሰር የሚቀበሩት የአፍሪካና መከላከያ ዘዴዎችን መሆናቸውን ይግለፁለቸው። | በወከደ በ10 ደቂቃ ውስጥ -----<br>-----1<br>በወከደ ከ10 ደቂቃ በኋላ አስከፊ 48 ሰዓት -----<br>ባከው ጊዜ ውስጥ -----<br>-----2                                                                                                                                                                                                                                 |                 |    |





|                                                                                                                                                                                        |                                                                                                                                                            |                                                                                                  |                                                                                                                                         |           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------|
|                                                                                                                                                                                        | ሁከትም የጠቀሰውን አሳሳቢ ዝቅያ ወይም ጥያቄያቸውን በገዢዘር ይመዝገቡ።<br><br>ይገፋፋቸው፡- ከካ የሚሰሩበት ዝቅያ አካል?                                                                           | 4. _____<br>5. _____                                                                             |                                                                                                                                         |           |
| <b>ክፍል 3 . በመለሻ የመጨረሻ ወሊዳቸው ወቅት የተወሰዱ እርምጃዎች እና ሁኔታዎች</b>                                                                                                                              |                                                                                                                                                            |                                                                                                  |                                                                                                                                         |           |
| 301                                                                                                                                                                                    | ባከፋት 48 ሰዓታት ውስጥ የወከደችን ፎቶዎችን በምን ባይነት ሁኔታ ወከደች?<br>ያከምንም አገዛ በማህበሩ ነው ወይም በመሳሪያ የታገዘ ሆኖ በማህበሩ ወይንስ በአንፈሽን ( ማከት ፎቶ ከሚውላት ሆድም በአንፈሽን ተከፍቶ ነበር?)            | ያከምንም አገዛ በማህበሩ -----1<br>በማህበሩ ሆኖ ግን በመሳሪያ አገዛ -----2<br>በአንፈሽን -----3                          |                                                                                                                                         |           |
| <b>ክፍል 4 . መለሻ የመጨረሻውን ልጃቸውን ከማረጋገጣቸው በፊት የረጅም ጊዜ የእርግጠና መከላከያ ዘዴ (በማህበሩ ወይም በጡንቻ ስር የሚቀበሩትን) በወሰዱበት ወቅት በአገልግሎት አሰጣጥ ላይ የነበራቸው እርካታ</b>                                               |                                                                                                                                                            |                                                                                                  |                                                                                                                                         |           |
| 401                                                                                                                                                                                    | ጥያቄ ተ. ቁ 212 ይመልከቱ፡<br>መካሻ የረጅም ጊዜ የእርግጠና መከላከያ ዘዴ ወሰደው የሚያውቁ (መጠኑ 2 ወይም 3) ነሆኑ                                                                            | መካሻ የረጅም ጊዜ የእርግጠና መከላከያ ዘዴ ወሰደው የሚያውቁ (መጠኑ 2 ወይም 3 ካልሆኑ)                                        | <div style="border: 1px solid black; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center;">501</div> |           |
| 401A                                                                                                                                                                                   | የመጨረሻውን ፎቶዎችን ከማረጋገጥ በፊት የረጅም ጊዜ የእርግጠና መከላከያ ዘዴዎች የጤና ባከውያው/ዋ ነበርም ጋር ከመመከሩ ሳካፋችሁ የሆኑ መጠን ምን ያህል አረከባቸው ነበር?                                              | በጣም አረከቻክሁ -----1<br>አረከቻክሁ -----2<br>ምንም ማከት አልፎኝም -----3<br>አልረከሁም -----4<br>በጣም አልረከሁም -----5 |                                                                                                                                         |           |
| 402                                                                                                                                                                                    | የመጨረሻውን ፎቶዎችን ከማረጋገጥ በፊት የረጅም ጊዜ የእርግጠና መከላከያ ዘዴ በተጠቀሙበት ወቅት የጤና ባከውያው/ዋ በተጠቀሟቸው የሕክምና መገኘት መሳሪያዎችና ኬሎች የሕክምና ሰቃዎችና አቅርቦት ምን ያህል አረከባቸው ነበር?               | በጣም አረከቻክሁ -----1<br>አረከቻክሁ -----2<br>ምንም ማከት አልፎኝም -----3<br>አልረከሁም -----4<br>በጣም አልረከሁም -----5 |                                                                                                                                         |           |
| <b>ተ. ቁ</b>                                                                                                                                                                            | <b>ጥያቄ እና ማጣራያ</b>                                                                                                                                         | <b>ኮድ ክፍል</b>                                                                                    | <b>ወደ ተቀሰው ቁጥር ይሂዱ</b>                                                                                                                  | <b>ኮድ</b> |
| 403                                                                                                                                                                                    | የመጨረሻውን ፎቶዎችን ከማረጋገጥ በፊት የረጅም ጊዜ የእርግጠና መከላከያ ዘዴ በተጠቀሙበት ወቅት የጤና ባከውያው/ዋ በተጠቀሟቸው የሕክምና መገኘት መሳሪያዎችና ኬሎች የሕክምና ሰቃዎች ንፅህና ምን ያህል አረከባቸው ነበር?                 | በጣም አረከቻክሁ -----1<br>አረከቻክሁ -----2<br>ምንም ማከት አልፎኝም -----3<br>አልረከሁም -----4<br>በጣም አልረከሁም -----5 |                                                                                                                                         |           |
| 404                                                                                                                                                                                    | የመጨረሻውን ፎቶዎችን ከማረጋገጥ በፊት የረጅም ጊዜ የእርግጠና መከላከያ ዘዴ በተጠቀሙበት ወቅት የጤና ባከውያው/ዋ ባላይዎት ባህል እና በሰጦት ነበር ምን ያህል አረከባቸው ነበር?                                          | በጣም አረከቻክሁ -----1<br>አረከቻክሁ -----2<br>ምንም ማከት አልፎኝም -----3<br>አልረከሁም -----4<br>በጣም አልረከሁም -----5 |                                                                                                                                         |           |
| 405                                                                                                                                                                                    | የመጨረሻውን ፎቶዎችን ከማረጋገጥ በፊት የረጅም ጊዜ የእርግጠና መከላከያ ዘዴ በተጠቀሙበት ወቅት የጤና ባከውያው ምቹቶችን አንደጠበቅና አገልግሎቱን በሚጠቀሙበት ወቅት ከኬሎች ሰዎች አይታ አንደጠበቁ በወሰደች አርምዲ ምን ያህል አረከባቸው ነበር? | በጣም አረከቻክሁ -----1<br>አረከቻክሁ -----2<br>ምንም ማከት አልፎኝም -----3<br>አልረከሁም -----4<br>በጣም አልረከሁም -----5 |                                                                                                                                         |           |
| 406                                                                                                                                                                                    | የመጨረሻውን ፎቶዎችን ከማረጋገጥ በፊት የረጅም ጊዜ የእርግጠና መከላከያ ዘዴ በተጠቀሙበት ወቅት በጤና ባከውያው/ዋ የሕክምና ሰቃት እና ክህሎት ምን ያህል አረከባቸው ነበር?                                              | በጣም አረከቻክሁ -----1<br>አረከቻክሁ -----2<br>ምንም ማከት አልፎኝም -----3<br>አልረከሁም -----4<br>በጣም አልረከሁም -----5 |                                                                                                                                         |           |
| <b>ክፍል 5 . ጫና ፈጣሪ/አጋላጭ ምክንያቶች፡- ሀ . የመለሻ በእርግጠናዎች መካከል ሊኖር ስለሚገባው የጊዜ ክፍተት እና አንደወላዱ (በወላዱ በ48 ሰዓት ውስጥ) በሚሰጡት የረጅም ጊዜ የእርግጠና መከላከያ ዘዴዎች (በማህበሩ ወይም በጡንቻ ስር የሚቀበሩትን) ላይ ያላቸው አመለካከት</b> |                                                                                                                                                            |                                                                                                  |                                                                                                                                         |           |
| 501                                                                                                                                                                                    | አንደጣንኛዎም ሴት አኔም በእርግጠናዎች መካከል ያከው አርቀት አጭር ነሆን (ከ2 ዓመት በታች) ከእርግጠና እና ከወከደ ጋር ከተያየዝ የጤና ችግሮች ተጋካጭ አሆነኝ።                                                    | አስማማክሁ -----1<br>ምንም ማከት አልፎኝም -----2<br>አልሰማማኝም -----3                                          |                                                                                                                                         |           |
| 502                                                                                                                                                                                    | በእርግጠናዎች መካከል ያከው አርቀት አጭር ሲሆን (ከ2 ዓመት በታች) የሚከሰቱ ከእርግጠና እና ከወከደ ጋር የተያየዝ የጤና ችግሮች በጣንኛዎም እናት ካይ ከባድ እና እድገት የሆኑ የጤናነት መቃወሶችን ከያሰከትኩ ይችላኩ።                 | አስማማክሁ -----1<br>ምንም ማከት አልፎኝም -----2<br>አልሰማማኝም -----3                                          |                                                                                                                                         |           |
| 503                                                                                                                                                                                    | በእርግጠናዎች መካከል ያከው አርቀት አጭር ሲሆን (ከ2 ዓመት በታች) የሚከሰቱ ከእርግጠና እና ከወከደ ጋር የተያየዝ የጤና ችግሮች በተወከደው ጨቅካ ካይ ከባድ እና እድገት የሆኑ የጤናነት መቃወሶችን ከያሰከትኩ ይችላኩ።                 | አስማማክሁ -----1<br>ምንም ማከት አልፎኝም -----2<br>አልሰማማኝም -----3                                          |                                                                                                                                         |           |
| 504                                                                                                                                                                                    | በእርግጠናዎች መካከል ያከው አርቀት አጭር ሲሆን (ከ2 ዓመት በታች) የሚከሰቱ ከእርግጠና እና ከወከደ ጋር የተያየዝ የጤና ችግሮች ከዚህ ፊት ቀጥሎ በሚወከደው ጨቅካ ካይ ከባድ እና እድገት የሆኑ የጤናነት መቃወሶችን ከያሰከትኩ ይችላኩ።      | አስማማክሁ -----1<br>ምንም ማከት አልፎኝም -----2<br>አልሰማማኝም -----3                                          |                                                                                                                                         |           |
| 505                                                                                                                                                                                    | አንድ ሴት በወከደች በ48 ሰዓት ውስጥ ምን እይነት ዘመናዊ የእርግጠና መከላከያ ዘዴዎች መጠቀም እንደከሰባች አስቀድሞ (ከምሳሌ፡ በእርግጠና ነትትኔ ወቅት) ማቀድ አከሳች።                                               | አስማማክሁ -----1<br>ምንም ማከት አልፎኝም -----2<br>አልሰማማኝም -----3                                          |                                                                                                                                         |           |

|     |                                                                                                                                                |                                                                 |  |  |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|--|--|
|     |                                                                                                                                                | --3                                                             |  |  |
| 506 | አንድ ሴት በተወከደ በ48 ሰዓት ውስጥ ከረጅም ጊዜ የሚያፈክግ የአረጋገጠ መከላከያ ዘዴዎች (በማህበሩ ወይም በሙሉ ስር የሚቀበሩትን) ከሰጡባቸው የሚኖሩት የጤና ድረጃዎች አንደኛው መድረስ አንደኛው አስቀድሞ ማቀድ የነበሩትም። | አስማማካሪ-----<br>--1<br>ምንም ማከት አልቻሉም-----2<br>አልሰማማም-----<br>--3 |  |  |

| ተ.ቁ | ጥያቄ እና ማሳሪያ                                                                                                                                                   | ኮድ ክፍል                                                          | ወደ ተቀሰው ቁጥር ይሄዱ | ኮድ |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-----------------|----|
| 507 | አንድ ሴት በወከደ በ48 ሰዓት ውስጥ ምን አይነት ዘመናዊ የአረጋገጠ መከላከያ ዘዴዎች (ከምሳሌ አንድ ከረጅም ጊዜ የሚያፈክግ በማህበሩ ወይም በሙሉ ስር የሚቀበሩትን) መጠቀም አንደኛው ማሰብ የነበሩትም።                              | አስማማካሪ-----<br>--1<br>ምንም ማከት አልቻሉም-----2<br>አልሰማማም-----<br>--3 |                 |    |
| 508 | አንድ ሴት በወከደ በ6 ሳምንት አንድ ነዚያ በኋላ ባከው ጊዜ ብቻ ነው ዘመናዊ የአረጋገጠ መከላከያ ዘዴዎች (በማህበሩ ወይም በሙሉ ስር የሚቀበሩ ከረጅም ጊዜ የሚያፈክግ የአረጋገጠ መከላከያ ዘዴዎች ጨምሮ) አንደኛው መጠቀም አንደኛው ማሰብ ያነበባት። | አስማማካሪ-----<br>--1<br>ምንም ማከት አልቻሉም-----2<br>አልሰማማም-----<br>--3 |                 |    |
| 509 | አንድ ሴት በወከደ በ6 ሳምንት ጊዜ ውስጥ ካረገጠ አቅራቢ ብዙ መጨነቅ የነበረችው።                                                                                                          | አስማማካሪ-----<br>--1<br>ምንም ማከት አልቻሉም-----2<br>አልሰማማም-----<br>--3 |                 |    |
| 510 | ሴቶች ዘመናዊ ከረጅም ጊዜ የሚያፈክግ የአረጋገጠ መከላከያ ዘዴዎችን በወከደ በ48 ሰዓት ጊዜ ውስጥ አይጠቀሙም ፤ ምንምም ጤና ባከው ያልቻሉት በሆሳፒታል አንድ በማህበሩ አገልግሎትን አስማማታቸው።                                   | አስማማካሪ-----<br>--1<br>ምንም ማከት አልቻሉም-----2<br>አልሰማማም-----<br>--3 |                 |    |
| 511 | ሴቶች በወከደ በ6 ሳምንት ጊዜ ውስጥ የግብር ስጋ ግንኙነት ካደገባቸው አይቻሉም።                                                                                                           | አስማማካሪ-----<br>--1<br>አንድ ማከት አልቻሉም-----2<br>አልሰማማም-----<br>--3 |                 |    |

**ክፍል 5. አጋላጭ ምክንያቶች፡- ለ. የመለሻ በአረጋገጠዎች መካከል ሊኖር ስለሚገባው የጊዜ ክፍተት እና ስለ የአረጋገጠ መከላከያ ዘዴዎች ጥቅም ያላቸው እውቀት**

|     |                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                               |  |  |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| 512 | በሁከት አረጋገጠዎች መካከል ያከው ክፍተት (ርቀት) ሲኖረው በአረጋገጠ ወቅት ከአረጋገጠው ጋር ተያይዘው ለሰሚከሰቱ የጤና ችግሮች ከዘረዘሩት ይቻላሉ?<br><br>ይገፋቸው፡- መካሄድ ያልጠቀሰቸውን የጤና ችግሮች አርሶ ነገርገር አይቀው ይጠይቃቸው።<br><br>የጠቀሰቸውን ሁኔታ ይመዝገቡ።                          | አም የከም<br>የደም ማነስ (አናት ካይ) -----<br>-----1 2<br>ነበረው ወር በኋላ ባከው የአረጋገጠ ወቅት ከማህበሩ ደም መፍሰስ -----1 2<br>ነወከደ በኋላ የሚከሰት የማህበሩ አገልግሎት 1 2<br>የአናት የሞት መጠን መጨመር -----1 2<br>ካሳ (ይገኛል) -----<br>-----88                                                                                                                                                              |  |  |
| 513 | በሁከት አረጋገጠዎች መካከል ያከው ክፍተት (ርቀት) ነፃ ባመት በታች በሚሆንበት ወቅት በአረጋገጠ ሰዓት ወይም ሰዓት ከተወከደ በኋላ በጤና ካይ ለሰሚከሰቱ የጤና ችግሮች ከዘረዘሩት ይቻላሉ?<br><br>ይገፋቸው፡- መካሄድ ያልጠቀሰቸውን የጤና ችግሮች አርሶ ነገርገር አይቀው ይጠይቃቸው።<br><br>የጠቀሰቸውን ሁኔታ ይመዝገቡ። | አም የከም<br>የካሊዬው (ነፃ ወር አስቀድሞ) መወከድ -----1 2<br>አንስተኛ ክብደት ይዞ (ቀጭኞ) መወከድ -----1 2<br>አደሰ የተወከደ ጨቅካም ሞት መጠን መጨመር -----<br>-----1 2<br>ካሳ (ይገኛል) -----<br>-----87                                                                                                                                                                                                |  |  |
| 514 | ዘመናዊ የአረጋገጠ መከላከያ ዘዴዎች በሁከት አረጋገጠዎች መካከል ባከው ክፍተት (ርቀት) አንድ ያካቸው ጥቅም ከዘረዘሩት ይቻላሉ?<br><br>ይገፋቸው፡- መካሄድ ያልጠቀሰቸውን ጥቅሞች አርሶ ነገርገር አይቀው ይጠይቃቸው።<br><br>የጠቀሰቸውን ሁኔታ ይመዝገቡ።                                           | አም የከም<br>የሚቀጥሉ አረጋገጠ የሚረገጡትን ጊዜ በአቅድ አንድሆነ ይረድኛል -----1 2<br>በሁከት አረጋገጠዎቹ መካከል ያከውን ርቀት በያሰበ ሁከት አመት አንድሆነ ይረድኛል -----1 2<br>የአናት ብዛት ከመወሰን ይረድኛል -----1 2<br>የአናት ጤና በተሸከ ሁኔታ የተጠበቀ አንድሆነ (የአናትን ሕመም አና ሞትን ከመከላከል) ይረዳል -----<br>-----1 2<br>አደሰ የሚወከደው ጨቅካ ጤንነት በተሸከ ሁኔታ የተጠበቀ አንድሆነ (የጨቅካ ሕመም አና ሞትን ከመከላከል) ይረዳል -----1 2<br>ካሳ (ይገኛል) -----<br>-----87 |  |  |

| ተ.ቁ | ጥያቄ እና ማሳሪያ | ኮድ ክፍል | ወደ ተቀሰው ቁጥር ይሄዱ | ኮድ |
|-----|-------------|--------|-----------------|----|
|-----|-------------|--------|-----------------|----|

| ክፍል 5. አጋላጭ ምክንያቶች፡- ሐ. መለሿ ለረጅም ጊዜ ስለሚያገለግሉ የአርግዝና መከላከያ ዘዴዎች (በማህፀን ወይም በጡንቻ ስር የሚቀበሩትን) ያላቸው አውቀት |                                                                                                                                                 |                                                                                                                                                                                             |                 |     |
|------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----|
| 515                                                                                                  | የትኞቹ የአርግዝና መከላከያ ዘዴዎች ናቸው ከ3 አመት እና ነዚያ በኋላ አርግዝና መከላከያ የሚችሉት?                                                                                 | በአቅጣጫ ስር የሚቀበሩ የአርግዝና መከላከያዎች -----<br>-----1<br>በማህፀን ወሰን የሚቀበሩ የአርግዝና መከላከያ2<br>በአቅጣጫ ስር እና በማህፀን ወሰን የሚቀበሩ የአርግዝና መከላከያ ዘዴዎች -----3<br>ከካ (ይገኛል) -----<br>-----87 አካውቅም -----<br>-----88 |                 |     |
| 516                                                                                                  | በአቅጣጫ ስር የሚቀበሩ የአርግዝና መከላከያ ዘዴዎች ከሰነት ጊዜ ነው አርግዝና መከላከያ የሚችሉት?                                                                                  | አካውቅም -----<br>-----1<br>ከሀክት አመት -----<br>2<br>ከሦስት አስከ አመት -----<br>-----3<br>ከአምስት አመት በኋላ -----<br>-----4<br>አካውቅም -----<br>-----87                                                     |                 |     |
| 517                                                                                                  | በማህፀን ወሰን የሚቀበሩ የአርግዝና መከላከያ ዘዴዎች ከሰነት ጊዜ ነው አርግዝና መከላከያ የሚችሉት?                                                                                 | አካውቅም -----<br>1<br>ከ5 አስከ 12 አመት -----<br>-2<br>ከ12 አመት በኋላ -----<br>-----3<br>አካውቅም -----<br>-----88                                                                                      |                 |     |
| 518                                                                                                  | ከጥፋት ነገር (ከሆርሞን) ነፃ የሆነ በማህፀን ወሰን የሚቀበሩ የአርግዝና መከላከያ ዘዴ በሀገራችን ወሰን በሰፋት ይገኛል።                                                                   | አም1<br>የካም -----2<br>አካውቅም -----<br>-----87                                                                                                                                                 |                 |     |
| 519                                                                                                  | አካውቅም ስት ከኤች አርግዝና አካውቅም የሚያደርጉ ምክንያቶች አስከኤች ድረስ በማህፀን ወሰን የሚቀበሩ የአርግዝና መከላከያ ዘዴ መጠቀም አንድዲረጠች (አንድሰውሳች) ወደያው ማርገዝ ትችላላችሁ።                       | አም1<br>የካም -----2<br>አካውቅም -----<br>-----87                                                                                                                                                 |                 |     |
| 520                                                                                                  | አካውቅም ስት ከኤች አርግዝና አካውቅም የሚያደርጉ ምክንያቶች አስከኤች ድረስ በጡንቻ ወሰን የሚቀበሩ የአርግዝና መከላከያ ዘዴ መጠቀም አንድዲረጠች (አንድሰውሳች) ወደያው ወይም ባለወጣች በጥቂት ወራት ውስጥ ማርገዝ ትችላላችሁ። | አም1<br>የካም -----2<br>አካውቅም -----<br>-----88                                                                                                                                                 |                 |     |
| ክፍል 6. የሚያስችሉ ሁኔታዎች (የአገልግሎት አቅርቦት እና ተደራሽነት)                                                        |                                                                                                                                                 |                                                                                                                                                                                             |                 |     |
| 601                                                                                                  | ጤና ድርጅቱ ሁኔታው ባይነት ዘመናዊ የአርግዝና መከላከያ ዘዴዎች፤ የረጅም ጊዜ የአርግዝና መከላከያ ዘዴዎችን ጨምሮ፤ ያቀርባል?                                                                | አም1<br>የካም -----2<br>አካውቅም -----<br>-----88                                                                                                                                                 |                 |     |
| 602                                                                                                  | በጤና ድርጅቱ ውስጥ የረጅም ጊዜ የአርግዝና መከላከያ ዘዴዎችን በማህፀን ወይም በአቅጣጫ ስር ከቀበሩ የሚችሉ የጤና ባለሙያዎች አካውቅም?                                                          | አም1<br>የካም -----2<br>አካውቅም -----<br>-----88                                                                                                                                                 |                 |     |
| 603                                                                                                  | ጤና ድርጅቱ ዘመናዊ የአርግዝና መከላከያ ዘዴዎችን፤ የረጅም ጊዜ የአርግዝና መከላከያ ዘዴዎችን ጨምሮ፤ በሚያቀርብኩ ወቅት ነፃዬ ይጠቃልሉ?                                                         | አም1<br>የካም -----2<br>አካውቅም -----<br>-----88                                                                                                                                                 |                 |     |
| 604                                                                                                  | ስከ አርግዝና መከላከያ ዘዴዎች መረጃ የሚያገኙበት መንገድ አካውቅም?                                                                                                     | አም1<br>የካም -----2                                                                                                                                                                           |                 | 701 |
| 605                                                                                                  | ስከ አርግዝና መከላከያ ዘዴዎች መረጃ የሚያገኙበት ከምንድን ነው?                                                                                                       | ከፊደሉ -----<br>-----1<br>ከቴክኒሲየን -----<br>-----2<br>ከሪዘር -----<br>-----3<br>ከጤና ባለሙያ -----<br>-----4<br>ከኤች (ይጠቀስ) -----                                                                     |                 |     |
| ክፍል 7. ገፋፊ ሁኔታዎች (ተፅዕኖዎች እና ማህበራዊ ድጋፎች)                                                              |                                                                                                                                                 |                                                                                                                                                                                             |                 |     |
| 701                                                                                                  | ባከቢቶች ስከ ዘመናዊ የአርግዝና መከላከያ ዘዴዎች ባጠቃላይ ያካቸው አመክንዮች ምን ይመስላሉ?                                                                                     | ጥሩ ነው (ይደግፋል) -----1<br>ጥሩ አይደለም (አይደግፍም) -----2<br>አካውቅም -----<br>-----88                                                                                                                  |                 |     |
| ተ.ቁ                                                                                                  | ጥያቄ እና ማጣራያ                                                                                                                                     | ኮድ ክፍል                                                                                                                                                                                      | ወደ ተቀሰው ቁጥር ይሂዱ | ኮድ  |
| 702                                                                                                  | ባከቢቶች ስከ በማህፀን ወይም በጡንቻ ስር ስከሚቀበሩት የረጅም ጊዜ የአርግዝና መከላከያ ዘዴዎች ያካቸው አመክንዮች ምን ይመስላሉ?                                                              | ጥሩ ነው (ይደግፋል) -----1<br>ጥሩ አይደለም (አይደግፍም) -----2<br>አካውቅም -----<br>-----88                                                                                                                  |                 |     |

|     |                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                               |     |  |
|-----|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--|
| 703 | በማህበሩ ወይም በጡንቻ ስር የሚቀበሩትን የረጅም ጊዜ የእርግጠኛ መስጫነት ዘዴዎችን ከመጠቀም ከመወሰን በፊት ከጤና ባከሙያ ኤክስፖርት ሰው ነበር?                            | አዎ-----1<br>የክም-----2                                                                                                                                                                                                                                                                                                                                                                         | 706 |  |
| 704 | የጥያቄ ቁጥር 703 መልስ አዎ ከሆነ ማንን ነው በማህበሩ ወይም በጡንቻ ስር ስለሚቀበሩት የረጅም ጊዜ የእርግጠኛ መስጫነት ዘዴዎችን ከመጠቀም ከመወሰን በፊት ከጤና ባከሙያ ኤክስፖርት ሰው? | ባክሱን-----<br>-----1<br>አኖቱን-----<br>-----2<br>የባክሱን አኖት-----<br>-----3<br>አህቱን-----<br>-----4<br>ኅይደቱን-----<br>-----5<br>ኤክ (ይጠቀስ)-----                                                                                                                                                                                                                                                       |     |  |
| 705 | የጥያቄ ቁጥር 703 መልስ አዎ ከሆነ ከካይ የተጠቀሰው ዘመድ ምክንያት ምን ነበር?                                                                    | ድጋፋዊ-----<br>-----1<br>የተቃውሞ-----<br>-----2<br>ምንም አስተያየት አልሰጠም-----<br>3                                                                                                                                                                                                                                                                                                                     |     |  |
| 706 | የአሁኑን ፎቅ ከወከደ በኋላ የባክሱን ምርጫ የነበረው የእርግጠኛ መስጫነት ዘዴ የቱ ነበር?                                                               | በመረፈ የሚሰጥ-----<br>-----1<br>በማህበሩ ውስጥ የሚቀበር-----<br>-----2<br>በአጭ ጡንቻ ስር የሚቀበር (የ 3 አመት፣<br>የ4 አመት፣ የ 5 አመት) ---አንድ ካይ ያስምሩ-----3<br>ከኒኖት-----<br>-----4<br>የወንድ ከንደም-----<br>-----5<br>የሴት ከንደም-----<br>-----6<br>ጡት ማጥባት-----<br>-----7<br>የማህበሩን ትቦ መቋጠር-----<br>-----8<br>የወንድ የዘር ፍሬ መተካከፊያ ትቦ መቋጠር-----9<br>የወንድ የዘር ፈሳሽን ከሴት ብኤት ውጭ ማፍሰስ-----10<br>ኤክ (ይጠቀስ)-----87<br>አካውቅም-----88    |     |  |
| 707 | ዘመንዊ የእርግጠኛ መስጫነት ዘዴ መጠቀም የሚጀምሩበትን ወቅት በተመከነበት የባክሱን ምርጫ የነበረው የቱ ነው?                                                   | በወከደ በ48 ሰዓት ውስጥ-----1<br>በወከደ በሰዓትተኛው ሣምንት-----2<br>ከወከደ ከሰዓት ሣምንት በኋላ-----3<br>አካውቅም-----88                                                                                                                                                                                                                                                                                                 |     |  |
| 708 | የአሁኑን ፎቅ ከወከደ በኋላ የኤክስፖርት ዘመዶች (ከባክሱን ውጪ ያሉ) ምርጫ የነበረው የእርግጠኛ መስጫነት ዘዴ የቱ ነበር?                                          | በመረፈ የሚሰጥ-----<br>-----1<br>በማህበሩ ውስጥ የሚቀበር-----<br>-----2<br>በአጭ ጡንቻ ስር የሚቀበር (የ 3 አመት፣<br>የ4 አመት፣ የ 5 አመት) ---አንድ ካይ ያስምሩ-----3<br>ከኒኖት-----<br>-----4<br>የወንድ ከንደም-----<br>-----5<br>የሴት ከንደም-----<br>-----6<br>ጡት ማጥባት-----<br>-----7<br>የማህበሩን ትቦ መቋጠር-----<br>-----8<br>የወንድ የዘር ፍሬ መተካከፊያ ትቦ መቋጠር-----9<br>የወንድ የዘር ፈሳሽን ከሴት ብኤት ውጭ ማፍሰስ-----10<br>ኤክ<br>(ይጠቀስ)-----87<br>አካውቅም-----88 |     |  |
| 709 | ዘመንዊ የእርግጠኛ መስጫነት ዘዴ መጠቀም የሚጀምሩበትን ወቅት በተመከነበት የኤክስፖርት ዘመዶች (ከባክሱን ውጪ ያሉ) ምርጫ የነበረው የቱ ነው?                              | በወከደ በ48 ሰዓት ውስጥ-----1<br>በወከደ በሰዓትተኛው ሣምንት-----2<br>ከወከደ ከሰዓት ሣምንት በኋላ-----3<br>አካውቅም-----88                                                                                                                                                                                                                                                                                                 |     |  |

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|  |  |  | ወደ |  |
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| ተ.ቁ                          | ጥያቄ እና ማጣሪያ                                                                                                                                                                        | ኮድ ክፍል                                                                                                                                                                                   | ተቀሰው ቁጥር ይሂዱ                                                                                         | ኮድ |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|----|
| <b>ክፍል 8. የሴቶች የመወሰን ችሎታ</b> |                                                                                                                                                                                    |                                                                                                                                                                                          |                                                                                                      |    |
| 801                          | ስክሰር የጤና ምርመራ እንዲሰጥህ ማግኘት ውሳኔ የሚሰጠው ማነው?<br><br>ማከትም የጤና እንክፈኮት ማግኘት ሲፈልግ የጤና ምርመራውን ከማድረግ የሚወሰኑትን ስርዓት አራሶት ነዎት ፣ ባከብረህ ወይም የወንድ ጓደኛዎ ናቸው፣ ስርዓቱን ባከብረህ የወንድ ጓደኛዎ በጋራ ወይስ ከህጻን ሰው? | አኑው አራሴ - - - - -<br>-- 1<br>ባከብረህ /የወንድ ጓደኛዎ - - - - - 2<br>አኑና ባከብረህ/የወንድ ጓደኛዎ በጋራ - - - - - 3<br>ቤተሰቦቼ እና ዘመዶቼ - - - - - 4<br>የጤና ባከውያዎች - - - - -<br>-- 5<br>ከሁሉም ሰዎች (ይገኙ) _____ 87 |                                                                                                      |    |
| 802                          | የእግር መንከለስ ዘዴዎችን መጠቀምን በተመለከተ ውሳኔ የሚሰጠው ማነው?                                                                                                                                       | አኑው አራሴ - - - - -<br>-- 1<br>ባከብረህ /የወንድ ጓደኛዎ - - - - - 2<br>አኑና ባከብረህ/የወንድ ጓደኛዎ በጋራ - - - - - 3<br>ቤተሰቦቼ እና ዘመዶቼ - - - - - 4<br>የጤና ባከውያዎች - - - - -<br>-- 5<br>ከሁሉም ሰዎች (ይገኙ) _____ 87 |                                                                                                      |    |
| 803                          | ጥያቄ ተ.ቁ 226 ይመልከቱ፡<br>መካሄድ በማህበሩ ውስጥ ወይም በአጅ ጥንቅ ስር የሚቀበሩ የረድም ጊዜ የእርግጠኛ መንከለስ ዘዴዎች በወከዱ በ48 ሰዓት ውስጥ ተደርጎባቸው ነበሩ ውስጥ ካልተደረገባቸው                                                     | አኑው አራሴ - - - - -<br>-- 1<br>ባከብረህ /የወንድ ጓደኛዎ - - - - - 2<br>አኑና ባከብረህ/የወንድ ጓደኛዎ በጋራ - - - - - 3<br>ቤተሰቦቼ እና ዘመዶቼ - - - - - 4<br>የጤና ባከውያዎች - - - - -<br>-- 5<br>ከሁሉም ሰዎች (ይገኙ) _____ 87 | <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> → 804 |    |
| 803A                         | መካሄድ በማህበሩ ውስጥ ወይም በአጅ ጥንቅ ስር የሚቀበሩ የረድም ጊዜ የእርግጠኛ መንከለስ ዘዴዎች በወከዱ በ48 ሰዓት ውስጥ ተደርጎባቸው ነበሩ ማነው የረድም ጊዜ የእርግጠኛ መንከለስ ዘዴዎችን አንደጠቀሙ የመጨረሻውን ውሳኔ የሰጠው?                                 | አኑው አራሴ - - - - -<br>-- 1<br>ባከብረህ /የወንድ ጓደኛዎ - - - - - 2<br>አኑና ባከብረህ/የወንድ ጓደኛዎ በጋራ - - - - - 3<br>ቤተሰቦቼ እና ዘመዶቼ - - - - - 4<br>የጤና ባከውያዎች - - - - -<br>-- 5<br>ከሁሉም ሰዎች (ይገኙ) _____ 87 |                                                                                                      |    |
| 804                          | መካሄድ በማህበሩ ውስጥ ወይም በአጅ ጥንቅ ስር የሚቀበሩ የረድም ጊዜ የእርግጠኛ መንከለስ ዘዴዎች በወከዱ በ48 ሰዓት ውስጥ ያልተደረገባቸው ነበሩ ማነው የረድም ጊዜ የእርግጠኛ መንከለስ ዘዴዎችን አንደጠቀሙ የመጨረሻውን ውሳኔ የሰጠው?                               | አኑው አራሴ - - - - -<br>-- 1<br>ባከብረህ /የወንድ ጓደኛዎ - - - - - 2<br>አኑና ባከብረህ/የወንድ ጓደኛዎ በጋራ - - - - - 3<br>ቤተሰቦቼ እና ዘመዶቼ - - - - - 4<br>የጤና ባከውያዎች - - - - -<br>-- 5<br>ከሁሉም ሰዎች (ይገኙ) _____ 87 |                                                                                                      |    |

መረጃው የተሰበሰበበት ቀን \_\_\_\_\_  
 የመረጃው ሰብሰቢ ስም \_\_\_\_\_  
 የመረጃው ሰብሰቢ ነድ \_\_\_\_\_  
 የመረጃው ሰብሰቢ ፊርማ \_\_\_\_\_  
 የተቆጣጣሪው ስምና ፊርማ \_\_\_\_\_

## ANNEX 2. Information Sheet and Consent Form

Name of the Principal Investigator: Feleke Habte Gebremichael (MD)

**Name of the organization: St. Paulos Hospital Millennium Medical College**

**Name of the Sponsor: St. Paulos Hospital Millennium Medical College**

**Information Sheet and Consent Form prepared for participants involved in the study of** Magnitude and factors associated with utilization of Long Acting Reversible Contraceptive (LARC) methods in the Immediate Postpartum Period among mothers who gave birth in Addis Ababa Public Health Facilities, Ethiopia.

### **Introduction**

This information sheet and consent form is prepared by the investigator whose aim is to study Magnitude and factors associated with utilization of LARC methods in the immediate postpartum period. The form gives explanation about the research for individuals who are selected to participate in the study, and hence selected individual participants can give their consent based on the explanation. The investigator is OBGYN postgraduate student in St. Paulos Hospital Millennium Medical College.

**Purpose:** The purpose of this research is to measure the magnitude and to identify factors associated with utilization of LARC methods in the immediate postpartum period. Therefore the findings of this study will contribute a substantial share in improving utilization of LARC methods at the immediate postpartum period by childbearing women and consequently contributing to significantly decreasing maternal and child morbidity and mortality in the city.

**Procedure:** In order to assess the status of utilization of LARC in the immediate postpartum period in the city we invite you to take part in our project. If you are willing to participate in our project, you need to understand and sign the consent form. Then, you will be asked to give your response by the data collectors. For this questionnaire based study, participants are childbearing mothers (women aged 15-49 years) who gave birth in Addis Ababa Public health facilities within the past 48 hour prior to the study period and lived in Addis Ababa for at least 1 year. All the responses given by the participants and the results obtained will be kept anonymous and confidential, using coding system whereby no one except principal investigator will have access to your responses.

**Risk and/or Discomfort:** By participating in this research project you may feel that it has some discomfort specially on wasting your time (about 30 minutes) but this may not be too much as compared to its potential benefits that it contributes to the overall improvement of the health status of childbearing women and their newborns in the community where you live and in your country at large. There is no risk in participating in this research project.

**Benefits:** If you participate in this research project, you may not get direct benefit but your participation is likely to help in identifying factors affecting LARC utilization in the immediate postpartum period and to solve the problems affecting the service utilization. Finally it will give an insight whether policy change is required or not, based on the findings of the study, for improving utilization LARC in the immediate postpartum period and hence improving the health status of childbearing women and their newborns in the community and the country at large.

**Incentives:** You will not be provided any incentives to take part in this research project. However we are very grateful for your participation in the study.

**Confidentiality and Anonymity:** The information that we will collect from this research project will be kept confidential. Information about you that will be collected from the study will be stored in a file, which will not have your name on it, but a code number assigned to it. Which number belongs to which name will be kept under lock and key, and it will not be uncovered to anyone except the principal investigator.

**Right to Refuse or Withdraw:** You have the full right to refuse from participating in this research (you can choose not to respond some or all of the questions) if you do not wish to participate; and this will not affect your health services you get at from any health facilities. You have also the full right to withdraw from this study at any time you wish to, without losing any of your rights as a resident of this site.

**Persons to contact:** If you have any question, you can contact any of the following individuals and you can ask them anything you want to know at any time you wish.

- **Dr. Feleke Habte Gebremichael:** St. Paulos Hospital Millennium Medical College,  
Tel: 0911879921(+251911879921), E-mail: felekehg@yahoo.com
- \_\_\_\_\_ : Head of \_\_\_\_\_ Office, Tel: \_\_\_\_\_

Dear participant: If you read this form and you are allowed to ask questions now or at any time you want, or if somebody read and explained the form for you, and if you gave your consent to participate in the study, please write your name and sign on the space provided under.

Name and signature of participant \_\_\_\_\_ Date \_\_\_\_\_

Name and signature of data collector \_\_\_\_\_ Date \_\_\_\_\_

ቅፅ 3. የጥናቱ (የምርምሩ) ማብራሪያ እና የፈቃደኝነት (የስምምነት) መግለጫ ቅፅ

የዋናው ተመራማሪው ስም:- ዶ/ር ፈለቀ ሀብቱ ገ/ሚካኤል

የተቋሙ ስም:- ቅዱስ ጳውሎስ ሆስፒታል ሚሊኒየም የጤና ኮሌጅ

ለምርምሩ የሚያስፈልገውን ገንዘብ የለገሰው:- የቅዱስ ጳውሎስ ሆስፒታል ሚሊኒየም የጤና ኮሌጅ

በአዲስ አበባ የመንግስት ሆስፒታሎች ውስጥ፤ እናቶች በወለዱ በ48 ሰዓት ውስጥ ሊሰጣቸው ስለሚችሉ በማህፀን ውስጥ እና በጡንቻ ስር ስለሚቀበሩት የረጅም ጊዜ የእርግዝና መከላከያ ዘዴዎች አገልግሎት ላይ ለሚደረገው ጥናት የተዘጋጀ የማብራሪያ (የመረጃ) እና የፈቃደኝነት መግለጫ ፎርም

**መግቢያ**

ይህንን የማብራሪያ እና የፈቃደኝነት ቅፅ ያዘጋጀው ዋናው ተመራማሪ ሲሆን፤ የተመራማሪው ባካማም አናቶች በወከዱ በ48 ሰዓት ውስጥ ኢሰጣቸው ስኬታማነት በማህፀን ውስጥ እና በጡንቻ ስር ስኬታማነት የረጅም ጊዜ የእርግዝና መከላከያ ዘዴዎች አገልግሎት ተጠቃሚነት እና ከዚህ አጠቃቀም ጋር የተያያዙ ወሳኝ ምክንያቶችን ካይ ምርምር ማድረግ ነው። ይህ ቅፅ በጥናቱ አንደሣተፉ ከተመረጡ ሰዎች ስኬት ምርምሩ ምንነት ማብራራት እና የተመረጡት ሰዎችም በማብራሪያው ተመሰርተው በጥናቱ የመሳተፍ ስምምነታቸውን አንደረጋግጠው ከማስቻል ነው። ዋናው ተመራማሪ በቅዱስ ጳውሎስ ሆስፒታል ሚካኒየም የጤና ኮከቹ የማህፀን እና ሰንሰለት ስፔሻሊቲ ተማሪ ነው።

**የጥናቱ ዓላማ:-** የዚህ ጥናት ባካማ በመወከድ ሰዎች ክፍል ውስጥ ያኩ በአዲስ አበባ ከተማ ውስጥ ባኩ የመንግስት ጤና ድርጅቶች ውስጥ የወከዱ አናቶች ምን ያህኑ በማህፀን ውስጥ እና በጡንቻ ስር የሚቀበሩ ከረጅም ጊዜ የሚያገኙበት የእርግዝና መከላከያዎችን በወከዱ በአርባ ሰዎች ሰነት ውስጥ ተጠቃሚ አንደሆኑ እና ከዚህ አጠቃቀም ጋር የተያያዙ ወሳኝ ምክንያቶችን ከማወቅ ነው። በመሆኑም የዚህ ጥናት ግኝቶች በመወከድ ሰዎች ክፍል ውስጥ ያኩ ሌሎች በማህፀን ውስጥ እና በጡንቻ ስር የሚቀበሩ ከረጅም ጊዜ የሚያገኙበት የእርግዝና መከላከያዎችን በወከዱ በአርባ ሰዎች ሰነት ውስጥ ተጠቃሚ የሚሆኑበትን ሁኔታ በማሻሻል የራሱ ካይ የራሱ ድርሻ የሚኖረው ሲሆን በተያያዥነትም በከተማው ውስጥ ያካውን የአናቶችና የጨቅካ ሕፃናትን ሞት በከፍተኛ ሁኔታ ከመቀነስ የራሱ የሆነ ሚና ይኖረዋል።

**የጥናቱ አሰራር ሂደት:-** በከተማው ውስጥ፤ አናቶች በወከዱ በአርባ ሰዎች ሰነት ውስጥ፤ በማህፀን ውስጥ እና በጡንቻ ስር የሚቀበሩ ከረጅም ጊዜ የሚያገኙበት የእርግዝና መከላከያ ዘዴዎች ተጠቃሚነት ሁኔታ ካይ ደሰሰ ከማድረግ ይቻል ዘንድ በኛ የጥናት ንግድነት ካይ አንደሳተፉ ጥሪ አናቀርብዎታቸው። በኛ የጥናት ንግድነት ካይ ከመሳተፍ የሚፈልጉ ከሆነ የፈቃደኝነት ፎርም አንደገባዎት እና በዚህ ፎርም ካይ መፈረም ይኖርባቸዋል። በመቀጠል ምክንያት የሚሰጡባቸውን ጥያቄዎች በመረጃ ሰብሳቢዎቹ ይጠየቃሉ። በዚህ መጠይቅ ካይ በተመሰረተ ጥናት፤ ተሳታፊዎቹ በመወከድ ሰዎች ክፍል ውስጥ (ማካትም ሰዎችም) ከ15 አስከ 45 ዓመት የሆኑት) ያኩ ሌሎች ሆነው ቃክ መጠይቁ ከመደረግ በፊት ባኩ 48 ሰዓት ውስጥ በአዲስ አበባ ከተማ ውስጥ ባኩ የመንግስት ጤና ድርጅቶች ውስጥ የወከዱ በአዲስ አበባ ከተማ ውስጥ ቢኖሩ ከአንድ ዓመት ያህል የኖሩ ናቸው። በተሳታፊዎች የሚሰጡ ሁኔታዎች ምክንያት እና የአንድገዳጅ መጨረሻ ወጪት ከጥን በመጠቀም የሚደበቅ እና ሚስጥራዊነቱ የሚጠበቅ ሲሆን ከዋናው ተመራማሪ ውጪ ካሉት ሰዎች አርሶ የሰጡትን ምክንያት አንደገባዎት ይደርጋል።

**ሊከተሉት የሚችሉ አደጋዎች እና ምቹ መጓደልን በተመለከተ:-** በዚህ የጥናት ንግድነት ካይ በመሳተፍ ምርመራም ምቹ ማጣት በተከይዘ የጊዜ (አስከ 30 ደቂቃ) መገባትን ካይ ይቻላል የሚከተሉት ካይ ናቸው። ነገር ግን በአካባቢዎ አንደሆነም በሀገርም ከሚኖሩ በመወከድ ሰዎች ክፍል ውስጥ ያኩ ሌሎችን እና የጨቅካ ሕፃናትን ጤናነት ከማሻሻል ከሚኖረከተው ጥቅም ጋር ሲነፃፀር ብዙ ጊዜ አጥኑ የሚያሰብክ አይደለም። በዚህ ጥናት ካይ በመሳተፍም የሚከተሉት ምንም አይነት አደጋ የካይ።

**ጥቅሞች:-** በዚህ የጥናት ንግድነት ካይ በመሳተፍም የሚያገኙት ቀጥተኛ ጥቅም ካይኖር ይቻላል። ነገር ግን የአርሰዎ ተሳትፎ አናቶች በወከዱ በ48 ሰዓት ውስጥ ኢሰጣቸው ስኬታማነት በማህፀን ውስጥ እና በጡንቻ ስር ስኬታማነት የረጅም ጊዜ የእርግዝና መከላከያ ዘዴዎች አገልግሎት አጠቃቀም ጋር የተያያዙ አደናቃፊ ወይም የሚግዙ ወሳኝ ምክንያቶችን ከመከየት እና የአገልግሎቱን ተጠቃሚነት የሚደግፉትን ምክንያቶች ከማሰወገድ የሚረዳ ይሆናል። በመጨረሻም በጥናቱ ውጤት መሰረት አናቶች በወከዱ በአርባ ሰዎች ሰነት ውስጥ፤ በማህፀን ውስጥ እና በጡንቻ ስር የሚቀበሩ ከረጅም ጊዜ የሚያገኙበት የእርግዝና መከላከያ ዘዴዎችን ተጠቃሚነት ከማሻሻል ካይ የሚችሉ የፖሊሲ ከውጥ ማስፈክገን ወይም አካማካሪነትን ይጠቀሙናል። በመሆኑም በሀገርም በተከይዘ ደግሞ በአካባቢዎ ነዋሪ የሆኑ በመወከድ ሰዎች ክፍል ውስጥ ያኩ ሌሎችን እና የጨቅካ ሕፃናታቸውን ጤናነት ከማሻሻል ይረዳል።

**ማበረታቻ/ማካካሻ ( ክፍያን በተመለከተ):-** በዚህ ጥናት ንግድነት ካይ በመሳተፍም ክፍያን መሰል ማበረታቻ አይሰጥም። ነገር ግን በጥናቱ በመሳተፍም ክፍተኛ የሆነ ምስጋና አናቀርባክ።

**ሚስጥር ስለመጠበቅ እና የጥናቱ ተሳታፊ ሰው ስምን ስለመደበቅ:-** በዚህ የጥናት ንግድነት ሂደት የሚሰበሰቡ መረጃዎች ሚስጥራዊነታቸው የተጠበቀ ይሆናል። በጥናቱ ክፍልም የሚሰበሰበው መረጃ የአርሰዎ ስም ሳይገኝ ነገር ግን ኔዩ የጥጽ ቁጥር ተሰይሞክሮ በፋይል ውስጥ ይቀመጣል። የትኛው የጥጽ ቁጥር የየትኛው ሰው አንደሆነ የሚገነዘበው ፋይል ይቆያል። እና ከዋናው ተመራማሪ በተቀረፀ ካይ ሰው አንደደውቀው ይደረጋል።

**በጥናቱ ለመሳተፍ ፈቃደኛ ያለመሆን እና ከጥናቱ አራሰን ስለማግለል መብት:-** በጥናቱ ከመሳተፍ ፍካኔት ከካሉት ከመሳተፍ ፈቃደኛ ያከመሆን መኩ መብት አካል። የተወሰኑትን ወይም ሁኔታዎች ያከመመከሰም ይቻላል። በጥናቱ አካልም ከጤና ድርጅቶች የሚያገኛቸው የጤና አገልግሎቶች ካይ ተሰጥተው ይኖራቸው። በፈክገት ሰዓትም ከዚህ ጥናት አራሰዎን የማግከል መኩ መብት ያካል። ሲሆን፤ ይህም በመሆኑ በዚህ አካባቢ ነዋሪነትም ምክንያት ከሚያገኛቸው መብቶች ውስጥ አንደኛው አይደለም።

**ለማግኘት የሚችሉት ስሜት:-** ማንኛውም አይነት ጥያቄ ካካዎት የሚከተሉትን ሰዎች ማግኘት የሚችሉ ሲሆን፤ አርሰዎ በፈክገብት ጊዜ ከማወቅ የሚፈልጉትን አይነት ጥያቄ ካጠይቁት ይቻላል።

✓ ዩ/ር ፈክቀ ሐብቱ ገ/ሚካኤል፡- ቅዱስ ጳውሎስ ሆስፒታል ሚካኒየም የጤና ኮከቹ ፩

ስልክ 09 11 87 99 21 ፤ ኢሜል felekehg@yahoo.com

✓ \_\_\_\_\_

ውድ የጥናቱ ተሳታፊ ፡- ይህንን ቅጽ አንብበውት ከሆነ እና አሁንም ሆነ በከፊ ጊዜ የመጠየቅ አድራሻ ተሰጥቶታል ከሆነ ወይም ይህ ቅጽ ተነባብሮ እና ተበራርቶታል ከሆነ እና ከመሳተፍ ከተሰማሙ አባባቢ ስምዎን እና ፊርማዎን ከዚህ በታች ያስቀምጡ፡፡

የተሳታፊ ስምዎና ፊርማ \_\_\_\_\_ ቀን \_\_\_\_\_

የመረጃ ሰብሳቢ (የስምምነት ተቀባይ) ስም እና ፊርማ \_\_\_\_\_ ቀን \_\_\_\_\_

#### ANNEX 4. Conceptual Framework for utilization of Long Acting Reversible Contraceptive (LARC) methods in the Immediate Postpartum Period

