

Maternal knowledge of optimal breastfeeding practices and associated factors in rural communities of Arba Minch Zuria

Dessalegn Tamiru, Shikur Mohammed

Public Health Department, Arbaminch University, Ethiopia

Email address:

dassutami@yahoo.com (D. Tamiru), m_shikur@yahoo.com (S. Mohammed)

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Abstract:

Introduction: Breastfeeding is one of the components of Primary Health Care and considered as natural practices in Ethiopia. However, a wide range of harmful infant feeding practices is documented even after implementations of infant and young child feeding guidelines in 2004. Therefore the major objective of this study was to assess maternal knowledge about optimal breastfeeding practices and associated factors in rural communities of Arba Minch Zuria.

Methods: A cross sectional community based study was carried out from January to February, 2012 in Arba Minch Zuria. Quantitative data were collected from 383 mothers supplemented with qualitative data from 10 key informants. Data were analyzed using SPSS version 16.0. Binary logistic regressions were used to see the strength of association between independent and dependent variables using odds ratios and 95% of confidence intervals. Finally a multivariate logistic regression analysis was made to identify the predictors of maternal knowledge about optimal breastfeeding practices.

Results: Breastfeeding was considered as a natural gift in Arba Minch Zuria. More than half of mothers (57.2%) initiated breastfeeding within the first hour of delivery and 213 (55.6%) were exclusively breastfed their children for 6 months. Three-hundred forty one (89%) mothers gave colostrum though a small number of mothers considered colostrum as an expired breast milk and discarded it. Maternal knowledge about optimal breastfeeding was positively associated with paternal education level, total number of births, attending antenatal care, having the radio, using family planning and giving birth by health workers. This study also showed there is a positive relationship between maternal knowledge of optimal breastfeeding with exclusive breastfeeding and timely introduction of complementary food.

Conclusions: Findings from this study showed that maternal knowledge was directly related with paternal education level, attending antenatal care, having the radio, using family planning and giving birth by health workers. Maternal knowledge had a significant contribution in the promotion of optimal child feeding practices. Promotion of strong community based education and support to ensure optimal infant and young child feeding is recommended for the whole communities with health workers and community leaders to provide counseling and support related to infant and young child feeding practices.

Key words: Optimal, Knowledge, Factors, Arba Minch

1. Introduction

Globally, 60% of the infant and young child deaths occur due to inappropriate infant feeding practices and infectious disease where two-thirds of these deaths are attributable to sub-optimal breastfeeding practices [1, 2]. Poor nutrition is not always only the result of lack of food, but it can be due to lack of knowledge about optimal feeding practices and provision of poor quality of food [1, 3]. Clear-cut programs

are needed especially in developing countries to provide a basic service and support for infants and young children to promote optimal breastfeeding and complementary feeding practices as they are essential to meet the nutritional needs of this vulnerable group [1, 4, 5].

In many developing countries infants and young children are most vulnerable to malnutrition because of lack of knowledge how to feed a child and infectious diseases [1, 2, 6, 8]. Consequently, large numbers of children are suffering

from a wide-range of malnutrition manifested in stunted growth, wasting and micronutrient deficiencies [1, 2, 9].

Optimal newborn and infant feeding practices are major determinant of short and long-term health outcomes in individuals and social development. Children who are not breastfed properly have repeated infections, grow less and are more likely to die by the age of one month than children who receive at least some breast milk [3, 6]. Many observational studies showed that maternal knowledge of optimal child feeding practices like exclusive breastfeeding for six months, continued partially breastfeeding and the timely transition to adequate complementary food is basic to deliver physiological and economic benefits to mothers and to keep health of a child [7, 8].

Breastfeeding is nearly universal in Ethiopia. However, large numbers of mothers, both urban and rural, do not practice appropriate breastfeeding and complementary feeding behavior. In Ethiopia 57% of all under-five deaths is highly associated with abrupt cessation of breastfeeding and infectious diseases, but it is closely linked to gap of knowledge how to feed appropriately and food insecurity [5, 8, 9]. A recent report showed that 27% of mothers early provide water, butter and various types of food to feed their children, thereby reducing the percentage of exclusively breastfeed and increasing the percentage of receiving complementary food at very young age [9]. Nationally, 50.6 % of mothers start breastfeeding within 1 hour of child birth and only about 38% mothers exclusively breastfed their children for 6 months [7, 8, 9, 10].

Generally, infant and young child feeding is a complex issue that has implications not only for an infant's nutritional and health status, but also affects infant's psychological development and the development of proper eating habits [7, 10]. Although breastfeeding is one of the components of Primary Health Care in Ethiopia, a wide range of harmful infant feeding practices are documented even after implementations of infant and young child feeding recommendations. Therefore this study aimed to assess maternal knowledge about optimal breastfeeding practices and associated factors in rural communities of Arba Minch Zuria, Gamo Gofa Zone.

2. Methods and Materials

2.1. Study Setting and Sample

This cross sectional community based study was carried out from January to February, 2012 in Arba Minch Zuria. There are 31 kebeles (small community organization) in Arba Minch Zuria and 9 kebeles (small community organization) were randomly selected namely Chano Chalba, Kolla Shara, Shelle Mella, Kolla Shelle, Genta Meyche, Zigiti Merche, Gatse, Laka and Zeyesie Dembile. Arba Minch Zuria is one of the 112 districts in the Southern Nations, Nationalities and Peoples' Region of Ethiopia which is part of the Gamo Gofa Zone located in the Great East African Rift Valley [9, 19].

The study included mothers who had children under 2 years and permanent resident of selected kebeles. Mother-child index were identified using the most recent population registration data base. The simple random sampling technique was used to take the mothers-child pairs from each selected Kebele. The sample size was calculated using a formula for estimation of a single proportion as follows:

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

Where Z= Standard normal variable at 95% confidence level (1.96), P= Estimated proportion of optimal breastfeeding, 50%, d= 0.05 (5% margin of error) [20]

10 key informants were selected purposely for in-depth interviews to capture their first-hand knowledge about a topic of interest. The selection was done based on their role in the community.

2.2. Data Collection Procedure and Statistical Analysis

Interviewer administered questionnaire and in-depth interview was used to collect questions concerning socio-demographics, maternal and child characteristics, child feeding practices and environmental health. Furthermore, women's knowledge of optimal child feeding practices and socio-cultural influences of child feeding were also included in the questionnaire. In-depth interview was used to generate descriptions of women's knowledge, experiences and perceptions of child feeding. Open-ended questions were used to follow research themes, then followed up using the participants' own words and phrases as a means of generating further information. Interviews were conducted at participant's home by audio tape recorder after getting consent from each study participants. Both quantitative and qualitative questionnaires were prepared in English and translated to Amharic by language experts and then translated back to English language by a third person to ensure the consistency. Finally data collectors were selected depending on their abilities of speaking the local language and training was given to them. The questionnaires were pre-tested. Based on a pretest result additional adjustment was made in terminologies, wording, and formatting of the questionnaire.

The data were checked for missing values and outliers, and analyzed using SPSS (SPSS Inc. version 16.0, Chicago, Illinois). Descriptive statistics were presented using standard statistical parameters such as percentages, means and standard deviations. Binary logistic regressions were used to see the strength of association between independent and dependent variable using odds ratios and 95% of confidence intervals. All tests were two-sided. Finally a multivariate logistic regression analysis was made to identify the predictors of maternal knowledge about optimal child feeding practices. We report the results as adjusted odd ratios (AOR) and 95% confidence intervals.

Qualitative data were analyzed after comparing collected data if the various people get the same impression and if

there were differences and the reasons why. Then, it was analyzed separately depending on the answer of the respondents. The interviewed data were analyzed by system of open coding which involves sorting the data into analytical categories by breaking down, examining, comparing and categorizing data. Then categories of data were compared and contrasted to generate themes from the analysis and discussion. Finally, the result was presented in triangulation with the quantitative findings.

In this study maternal knowledge of optimal breastfeeding was defined as if the mother of a child had information about initiation of breastfeeding within one hour of delivery, giving colostrum, exclusive breastfeeding for 6 months, introduction of complementary food at 6 months, continued breastfeeding to 2 years and appropriate breastfeeding skills.

2.3. Ethical Consideration

The study was conducted after getting official permission from an ethical clearance committee of Arba Minch University, College of Medicine and Health Sciences. Then data were collected after getting official permission from Arba Minch Zuria Woreda Administration. Informed verbal consent was obtained from each study participant. Each respondent was informed about the objective of the study and privacy during the interview.

3. Results

Complete response was obtained from 383(99.74%) of respondents. The majority of the study participants did not attend formal education (61.4%). The mean (\pm SD) age of the mothers was 29.08 years (\pm 6.65) the range being from 15 to 46 years (Table 1).

Table 1: Socio-demographic characteristics of mothers in Arba Minch Zuria, 2012

Variable	Frequency (n)	Percent (%)
Marital status		
Married	376	98.2
Unmarried	7	1.8
Maternal education		
No education	235	61.4
Reading and writing	79	20.6
Elementary and above	69	19
Mothers' occupation		
Housewife	381	99.5
Others	2	0.5
Family size		
< 5	121	31.6
\geq 5	262	68.4
Maternal age (in years)		
15-20	28	7.3
21-25	96	25.1
26-30	134	35
>31	125	32.6
Attended ANC		
Yes	319	83.3
No	64	16.7

Family planning		
Utilization		
Yes	237	61.9
No	146	38.1
Delivery assistant		
TBA	197	51.4
Health workers	41	10.7
Others*	145	37.9
Delivery type		
Caesarean section	6	1.6
Vaginal delivery	377	98.4
Place of delivery		
Home	370	96.6
Health center and Hospital	13	3.4
Total number of birth		
2	146	38.1
>2	237	61.9
Farm land owners		
No	94	24.5
Yes	289	75.5
Religion		
Protestant	234	61.1
Orthodox	138	36.0
Others**	11	2.9

*Relatives, Neighbors, Family; ** Muslim, Traditional

Breastfeeding is considered as a natural gift in the rural communities of Arba Minch Zuria. All mothers believed that an infant should get breast milk since it is a natural gift for them. Some verbatim expressions of the mothers which represent this idea where:

"...breast milk is natural gift; it is easily available and the digestible type of food for newborn infants"

The majority of mothers (57.2%) started breastfeeding within the first hour of delivery though others delayed due to lack of time and some traditional beliefs. A large proportion of mothers (89 %) considered provision of colostrum as vaccines given to infants to prevent diseases. Similarly in-depth interview with mothers showed a majority of mothers reported that they have given first milk for their child and have good attitude toward provision of colostrum for newborn infants.

Twenty 28 years old mothers said;

"Colostrum is an important diet for infants as it contains all important nutrients and used to prevent against disease..."

However, a small number of mothers discarded colostrum since they had no basic information about dietary importance of colostrum (Table 2). An in-depth interviews with 26 years old mothers showed that colostrum is expired breast milk and it is not good for child health.

"...colostrum an expired yellowish substance which can cause disease to newborn infants..."

Two-hundred thirteen mothers (55.6%) exclusively breastfed their children for 6 months. Some mothers (41.18 %) provided water to cleanse the stomach of an infant. Instead of breast milk 8(23.53%) of mothers provided cow's milk soon after delivery (Table 2). However the findings from in-depth interviews showed that currently there is no provision of any forms of water.

Thirty years traditional birth attendant said;
 “Previous time water will be given to cleansing and treat colic disease, but currently there is no such practice.”

Table 2: Breastfeeding patterns in Arba Minch Zuria, 2012

Variables	Frequency (n)	Percent (%)
Breastfeeding initiation		
Within one hour	219	57.2
After one hour	164	42.8
Giving colostrum		
Yes	341	89
No	42	11
Breastfeeding Frequency		
< 8	214	55.9
≥ 8	169	44.1
Duration of EBF in month		
0-1	32	8.4
2-3	28	7.3
4-5	60	15.7
0-6	213	55.6
≥7	50	13.1
Giving additional food		
0-2	40	10.4
3-4	81	21.1
5-6	195	50.9
≥ 7	67	17.5
Type of pre-lacteal food		
Milk	8	23.53
Water	14	41.18
Others	12	35.29
Utensil of feeding		
Bottle	8	2.1
Cup	136	35.5
Spoon	63	16.4
No utensil	176	46

Multivariable regression model showed that maternal knowledge of optimal breastfeeding was positively associated with paternal education level, total number of births, attending antenatal care, having the radio, using

family planning and giving birth by health workers (Table 3).

This study showed that paternal education level is significantly associated with maternal knowledge of optimal breastfeeding practices. Women whose husbands did not attend any formal education had less knowledge about optimal breastfeeding practices (AOR= 2.92 [1.28, 6.63]) compared to whose husbands attended primary school and above. Qualitative data also showed that mothers who got information about breastfeeding were appropriately feed their children.

One Traditional Birth Attendant said:

“... we have got the basic concepts about impacts of traditional malpractices and sub-optimal breastfeeding from health workers and our family.”

Total number of birth was also significantly associated with maternal knowledge of optimal breastfeeding practices. Mothers who born two and less than two children had less lack of knowledge about optimal child feeding practices (AOR= 0.47[0.29, 0.76]) compared to who born two and more than children.

Having radio had a significant role in the promotion of maternal knowledge of optimal breastfeeding practices. Mothers (families) who had radio were less lack of knowledge about optimal breastfeeding practices (AOR= 0.56[0.33, 0.95]). In-depth interview with mothers also showed that health education had a significant role in the promotion of optimal breastfeeding practices.

Family planning utilization was positively associated with maternal knowledge of optimal breastfeeding practices. Mothers who were not using family planning had less knowledge of optimal breastfeeding (AOR= 0.47 [0.27, 0.83]) compared to who were using.

Table 3: Factors Associated with Maternal Knowledge of Optimal Breastfeeding in Arba Minch Zuria, 2012

Variable	n	Mothers' had no knowledge of optimal breastfeeding		P-Value
		OR(95%CI)	AOR(95%CI)	
Family size				
5	57	0.79(0.51, 1.22)	1.34(0.73, 2.37)	0.361
>5	59	1	1	
Marital status				
Married	116	2.68(0.32, 22.49)	2.68(0.28, 25.77)	0.395
Unmarried	1	1	1	
Mothers' Educational				
No education	77	1.38(1.76, 2.52)	0.48(0.19, 1.21)	0.117
Reading and Writing	22	1.09(0.52, 2.27)	0.54(0.19, 1.48)	0.229
Elementary and above	18	1	1	
Father's education				
No education	65	2.22(1.30, 3.79)**	2.92(1.28, 6.63)	0.011
Reading and Writing	27	2.20(1.16, 4.19)*	3.08(0.26, 7.50)	0.063
Elementary and above	25	1	1	
Total birth				
2	31	0.47(0.29, 0.76)**	0.39(0.20, 0.75)	0.005
>2	86	1	1	
Under five children				
1	73	0.60(0.38, 0.96)*	0.75(0.44, 1.29)	0.301
≥2	44	1	1	

Religion				
Protestant	69	0.35(0.1, 1.18)	0.44(0.11, 1.75)	0.245
Orthodox	42	0.37(0.11, 1.26)	0.43(0.11, 1.75)	
Others	6	1	1	
Maternal age				
15-20	8	0.97(0.2, 3.24)	2.37(0.57, 9.86)	0.236
21-25	63	0.92(0.36, 2.31)	1.66(0.56, 4.96)	0.360
26-30	39	1.53(0.58, 4.02)	1.71(0.58, 5.08)	0.334
>31	7	1	1	
Ethnicity				
Gamo	89	0.57(0.33, 0.99)	0.49(0.25, 0.99)	0.046
Wolaita	9	1.35(0.48, 3.78)	2.73(0.79, 9.44)	0.113
Others	26	1	1	
ANC follow up				
Yes	85	0.36(0.21, 0.63)***	0.45(0.24, 0.86)	0.015
No	32	1	1	
Child sex				
Female	51	0.82(0.53, 1.27)	0.80(0.48, 1.32)	0.378
Male	66	1	1	
Birth place				
Home	116	5.48(0.70, 42.65)	10.68(0.89,12.18)	0.062
Health post	1	1	1	
Delivery assistant				
TBA	67	1.50(0.94, 2.42)	1.61(0.92, 2.80)	0.093
HEW	13	1.36(0.636, 2.89)	3.56(1.31, 9.63)	0.013
Relatives & Neighbor	37	1	1	
Having farm land				
Yes	90	1.12(0.67, 1.87)	1.03(0.56, 1.90)	0.917
No	27	1	1	
Having radio				
Yes	42	0.49(0.31, 0.77)**	0.56(0.33, 0.95)	0.032
No	75	1	1	
Used family Planning				
Yes	50	0.32(0.20, 0.50)***	0.47(0.27, 0.83)	0.008
No	67	1	1	

Findings from this study showed that there is a relationship between maternal knowledge of optimal breastfeeding with appropriate breastfeeding practices. Mothers who had no knowledge of optimal breast feeding were 90% less exclusive breastfeeding (AOR=0.10(0.03, 0.371)) and 94% less ever breastfed (AOR=0.06(0.01, 0.65) compared to their counterparts. Mothers who had

information about optimal breastfeeding were also more exclusive breastfeeding to one month (AOR= 3.16(1.12, 8.91) compared to who had no information. Similarly mothers who had knowledge of optimal breastfeeding were 46% more timely introduce complementary food (AOR=1.46(1.23, 2.90) to who had no knowledge to six months (Table 4).

Table 4: Association of feeding practices and maternal knowledge of optimal breastfeeding in Arba Minch Zuria, 2012

Variable	Mothers' had knowledge of optimal breastfeeding			
	n	COR(95%CI)	AOR(95%CI)	P-Value
BF ¹ initiation				
After one hour	57	0.71(0.46, 1.10)	0.80(0.49, 1.33)	0.394
Within one hour	60	1	1	
Discarded colostrum				
No	102	1.30(0.67, 2.55)	0.98(0.4, 2.15)	0.961
Yes	15	1	1	
EBF ² to 6 month				
No	97	0.07(0.03, 0.22)	0.10(0.03, 0.37)	0.001
Yes	20	1	1	
Ever breastfed				
No	6	0.07(0.01, 0.59)	0.06(0.01, 0.65)	0.020
Yes	111	1	1	
BF ¹ at night				
No	4	0.76(0.22, 2.66)	3.05(0.51, 18.16)	0.220
Yes	113	1	1	
EBF ² in month				
0-1	19	2.84(1.14, 7.10)	3.16(1.12, 8.91)	0.030
2-3	2	0.97(0.16, 5.85)	0.27(0.02, 3.00)	0.286

4-5	29	2.01(0.92, 4.40)	1.94(0.76, 4.99)	0.168
0-6	50	0.52(0.27, 1.00)	0.78(0.37, 1.64)	0.509
≥7	17	1	1	
Age of giving food				
0-2	14	0.91(0.40, 2.05)	0.56(0.21, 1.48)	0.240
3-4	34	1.22(0.62, 2.36)	0.61(0.27, 1.36)	0.224
5-6	44	0.49(0.27, 0.89)	1.46(1.23, 2.90)	0.023
≥7	25	1	1	
Utensil of feeding				
Bottle	1	0.28(0.03, 2.36)	0.47(0.05, 4.12)	0.493
Cup	49	1.12(0.70, 1.79)	1.19(0.69, 2.03)	0.533
Spoon	8	0.29(0.13, 0.65)	0.34(0.14, 1.83)	0.119
Not instruments	59	1	1	

EBF= Exclusive Breastfeeding, BF=Breastfeeding

4. Discussion

Studies showed that maternal knowledge about optimal breastfeeding had a significant role in the promotion of optimal breastfeeding practices. In Ethiopia 57% of infant and young child's death is significantly associated with sub-optimal breastfeeding practices. This might be due to lack of knowledge about optimal breastfeeding practices [5, 9, 10]. The fact that a large proportion of mothers practiced sub-optimal feeding practices after eight years of development of the national infant and young child feeding guideline indicates the need for strengthening the behavior change communication on optimal infant and young child feeding practices. This might be also an obstacle in the achievement of the fourth millennium development goal which intends to reduce infant and young child mortality by two-thirds from 1990 to 2015 [1, 9, 12].

Breastfeeding is considered as a natural gift in Arba Minch Zuria Woreda. An in-depth interview showed some mothers perceived breastfeeding as a natural gift though they could not feed appropriately due to field and home activities. Studies from different countries also showed that marketing and agricultural activities are found to be a constraint for optimal infant and young child feeding practices [11]. Despite national and international recommendations to promote exclusive breastfeeding practices only 55.5% of mothers were exclusively breastfeeding to 6 months in Arba Minch Zuria woreda which is relatively high compared with previously reported data of 2011 Ethiopian Demographic and Health Survey were 52% of mothers exclusively breastfed for 6 months [9]. About 42.7% of mothers initiated breastfeeding after one hour of delivery. This figure is low compared to findings of 2011 Ethiopian Demographic and Health Survey (48%) and a study done in Bangladesh where 76% of mothers initiated breastfeeding after an hour of delivery [9, 13]. Similarly in-depth interview findings showed some mothers did not know when breastfeeding should be started and set socio-cultural factors as constraints to initiate breastfeeding.

More than half (50.9%) of mothers introduced complementary food like cow's milk, fruits and vegetables after 5 months; because they thought that breast milk was insufficient. In-depth interviews with mothers also showed

a majority of mothers introduced additional food as they believed that breast milk was insufficient to 6 months which is consistent with a study done in South Africa and Gambia where mothers provided additional food to satisfy babies or to put them to sleep [12, 14].

Some mothers (11%) discarded colostrum as they considered it as water and cause of disease. This figure is low compared to national figures (23%) [9]. Similar studies in developing countries indicated that some mothers discarded colostrum as they considered as water and causes of diseases [12, 15]. However, in-depth interview with mothers indicated majority of mothers considered colostrum preventive medicine.

The paternal educational level is positively associated with maternal knowledge of optimal breastfeeding practices. Women whose husbands did not attend any formal education had less knowledge about optimal breastfeeding practices compared to whose husband attended formal education. This might be due to paternal influences to feed a child as he learnt along with different courses. Studies also showed that parents and health workers have significant contribution in the promotion of optimal child feeding practices [3, 8, 15]. Studies from Kenya and Gambia similarly showed maternal education has significant contribution to alleviate sub-optimal child feeding practices [7, 12, 16].

Mothers who gave birth less than or equal to two children were more appropriately fed their children compared to who gave many births. This might be due to an exposure to health education given by health workers at different occasion on child feeding practices and family planning utilization.

Having radio had a significant contribution in the promotion of maternal knowledge of optimal breastfeeding practices. Mothers (families) who had no radio were less knowledgeable about optimal breastfeeding practices. This might be due to education and advertisement given by media about child feeding practices. Studies in different countries also showed breastfeeding encouragement and advertisement through media had a significant role in the promotion of optimal breastfeeding practices [2, 12, 15, 16].

The findings of this study indicate the utilization of family planning is one of the contributing factors for maternal knowledge of optimal breastfeeding practices.

Mothers who used family planning were more optimal child feeding than who did not use. This might be due to basic education which is given along with family planning by health extension workers to promote optimal child feeding practices. Findings from different countries also showed maternal exposure to the health education and advertisement about breastfeeding practices is determining factor for an optimal child feeding practices [2, 8, 12, 15, 16].

Optimal breastfeeding knowledge was more common among mothers who were exclusively breastfed for 6 months. This indicates that basic education in the promotion of optimal breastfeeding should be encouraged. Findings from in-depth interviews similarly indicated mothers' knowledge of optimal breastfeeding is due to an exposure to health education given by health extension workers. This study indicated health education which is given at different occasion concerning about hygiene, complementary food and breastfeeding practices is one of the predetermining factors to promote optimal breastfeeding practices. In addition maternal knowledge of optimal child feeding has significant impact in timely introduction of complementary food. However, some mothers provided milk, water and some traditional drugs before they start breastfeeding since they believed that it prevents a child from stomachache. The study done in Tanzania, Bangladesh and Nigeria also indicated mothers gave additional food certain prelacteal feeds due to peer influence and some traditional beliefs as they considered it as a preventive measure against disease [13, 17, 18].

Findings from this study have significant input in the promotion of optimal child feeding practices and the achievement of the millennium development in the reduction of child mortality. However, it shares the drawbacks of cross-sectional studies that are difficult to establish cause-effect relationship between dependent and independent variables. There might be also recall bias on child feeding practices as mothers could forget when they initiated breastfeeding and gave an additional food, but this bias was minimized by relating to events and training data collectors how to probe the mothers to remember what she fed.

5. Conclusions

Findings from this study showed that maternal knowledge was directly related with paternal education level, attending antenatal care, having the radio, using family planning and giving birth by health workers. Maternal knowledge had a significant contribution in the promotion of optimal child feeding practices. Promotion of strong community based education and support to ensure optimal infant and young child feeding is recommended for the whole communities with health workers and community leaders to provide counseling and support related to infant and young child feeding practices.

The following recommendations are suggested based on the results of the study.

- Educating mothers about optimal child feeding practices at different occasion like a meeting, coffee ceremony and edirs is the good opportunity to enhance mothers' knowledge of child feeding practices.
- Coordinate exclusive breastfeeding support and promotion with other programs in the health department, private and public health care systems and community organizations.
- Behavioral change communications on traditional gatherings such as coffee ceremony, market days and the like should be strengthened in collaboration government and non-government organizations.

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