months old children met the minimum criteria for dietary diversity

Age of the mother       15-19       12       3         Age of the mother       20-24       74       20.1         Book of the mother       169       43.3         Book of the mother       30-34       80       20.9         Book of the mother       40-44       3       0.7         All Address       265       66.4         Muslim       77       19.4         More of the mother       363       31         Muslim       77       19.4         Muslim       363       91         Muslim       363       91         Muslim       20       5.2         Muslim       20       5.2         Muslim       363       91         Muslim       20       5.2         Muslim       20       5.2         Muslim       20       5.2         Muslim       127       3.2	Variables	Responses	Frequency	Percentage
Age of the mother       25-29       169       43.3         30-34       80       20.9         35-39       48       11.9         40-44       3       0.7         Orthodox       265       66.4         Muslin       77       19.4         Protestant       53       13.4         Others       3       0.7         Married       363       91         Mored       66       1.5         Widowed       9       2.2         415       27       6.9         40 - 15-19       127       32.8         Age during your marriage?       20-24       142       36.6         Age 25-29       75       19.1         4.6       30-34       18       4.6         Bead and write       18       4.5         Educational statues       Grade 1-8       98       24.6         Collage and above       98       24.6         Amhara       136       34.3         Altiful the image.       36.0       4.3         Altiful the image.       36.0       4.6         Altiful the image.       36.0       4.6         Altiful th		15-19	12	3
Age of the mother    10-34   10-34   11-9		20-24	74	20.1
Solution	Ago of the mother	25-29	169	43.3
A0-44   3   0.7   0.7   19.4     Muslim   77   19.4     Protestant   53   13.4     Others   3   0.7     Married   363   91     Married   363   91     Married   20   5.2     Married   20   5.2     Michowed   9   2.2     Michowed   9   2.2     Michowed   9   2.2     Michowed   9   2.2     Michowed   127   3.2     Michowed   142   36.6     Michowed   18   4.6     Michowed   18   4.5     Michowed   18	Age of the mother	30-34	80	20.9
Religion       Orthodox       265       66.4         Muslim       77       19.4         Protestant       53       13.4         Others       3       0.7         Married       363       91         Mot married       20       5.2         Divorced       6       1.5         Vidowed       9       2.2         4-15       27       6.9         15-19       127       32.8         Age during your marriage?       25-29       75       19.1         Educational statues       30-34       18       4.6         Fead and write       18       4.5         Educational statues       Grade 1-8       98       24.6         Grade 9-12       154       38.8         Collage and above       98       24.6         Amhara       136       34.3         Amhara       136       34.3         Ethnicity       Tigre       56       14.2         Gurage       78       19.4       19.4		35-39	48	11.9
Religion         Muslim         77         19.4           Protestant         53         13.4           Others         3         0.7           Married         363         91           Married status         Not married         20         5.2           Divorced         6         1.5         2           Widowed         9         2.2         2           4.5         19.1         127         32.8           Age during your marriage?         20-24         142         36.6           25-29         75         19.1           30-34         18         4.6           Educational statues         Read and write         18         4.5           Educational statues         Grade 9-12         154         38.8           Educational statues         Amhara         136         34.3           Ethnicity         Tigre         56         14.2           Ethnicity         Tigre         56         14.2		40-44	3	0.7
Religion       Protestant       53       13.4         Others       3       0.7         Married       363       91         Married status       Not married       20       5.2         Divorced       6       1.5         Widowed       9       2.2         4-15       27       6.9         15-19       127       32.8         Age during your marriage?       20-24       142       36.6         25-29       75       19.1         30-34       18       4.6         Illiterate       30       7.5         Read and write       18       4.5         Educational statues       Grade 1-8       98       24.6         Grade 9-12       154       38.8         Collage and above       98       24.6         Amhara       136       34.3         Oromo       104       26.1         Ethnicity       Tigre       56       14.2         Gurage       78       19.4		Orthodox	265	66.4
Protestant   S3   13.4     Others   3   0.7     Married   363   91     Mot married   20   5.2     Divorced   6   1.5     Widowed   9   2.2     <15   27   6.9     <15-19   127   32.8     Age during your marriage?   20-24   142   36.6     Educational statues   25-29   75   19.1     Age during your marriage?   18   4.6     Illiterate   30   7.5     Read and write   18   4.5     Educational statues   Grade 1-8   98   24.6     Grade 9-12   154   38.8     Collage and above   98   24.6     Amhara   136   34.3     Collage and above   98   24.6     Ethnicity   Tigre   56   14.2     Ethnicity   Tigre   56   14.2     Gurage   78   19.4	Policion	Muslim	77	19.4
Married       363       91         Married       20       5.2         Divorced       6       1.5         Widowed       9       2.2         415       27       6.9         15-19       127       32.8         Age during your marriage?       20-24       142       36.6         25-29       75       19.1         30-34       18       4.6         Illiterate       30       7.5         Read and write       18       4.5         Grade 1-8       98       24.6         Grade 9-12       154       38.8         Amhara       136       34.3         Amhara       136       34.3         Tigre       56       14.2         Ethnicity       71gre       56       14.2	religion	Protestant	53	13.4
Marital status       Not married       20       5.2         Microced       6       1.5         Widowed       9       2.2         <15       27       6.9         Age during your marriage?       20-24       142       36.6         25-29       75       19.1         Be ad and write       18       4.6         Illiterate       30       7.5         Read and write       18       4.5         Grade 1-8       98       24.6         Grade 9-12       154       38.8         Collage and above       98       24.6         Amhara       136       34.3         Amhara       136       34.3         Ethnicity       Tigre       56       14.2         Ethnicity       Tigre       56       14.2		Others	3	0.7
Marital status       Divorced       6       1.5         Widowed       9       2.2         <15		Married	363	91
Divorced 6 1.5 Widowed 9 2.2 415 15-19 127 32.8 Age during your marriage? 20-24 142 36.6 25-29 75 19.1 30-34 18 4.6 Illiterate 30 7.5 Read and write 18 4.5 Educational statues Grade 1-8 98 24.6 Grade 9-12 154 38.8 Collage and above 98 24.6 Amhara 136 34.3 Ethnicity Tigre 56 14.2 Ethnicity 7grade 78 19.4	Marital status	Not married	20	5.2
15-19   127   32.8     Age during your marriage?   20-24   142   36.6     25-29   75   19.1     30-34   18   4.6     Illiterate   30   7.5     Read and write   18   4.5     Read and write   18   4.5     Grade 9-12   154   38.8     Grade 9-12   154   38.8     Amhara   136   34.3     Ethnicity   Tigre   56   14.2     Gurage   78   19.4	Marital Status	Divorced	6	1.5
Age during your marriage? 15-19 127 32.8 20-24 142 36.6 25-29 75 19.1 20-34 18 4.6 25-29 75 19.1 25-		Widowed	9	2.2
Age during your marriage?  20-24  25-29  75  19.1  30-34  18  4.6  Illiterate  30  7.5  Read and write  18  4.5  Educational statues  Grade 1-8  Grade 9-12  154  38.8  24.6  Collage and above  98  24.6  Amhara  136  34.3  Ethnicity  Tigre  56  14.2  Gurage  78  19.4		<15	27	6.9
Educational statues 25-29 75 19.1  A parameter 25-29 75 19.1  30-34 18 4.6  Illiterate 30 7.5  Read and write 18 4.5  Grade 1-8 98 24.6  Grade 9-12 154 38.8  Collage and above 98 24.6  Amhara 136 34.3  Oromo 104 26.1  Ethnicity Tigre 56 14.2  Gurage 78 19.4		15-19	127	32.8
30-34   18   4.6   4.6   18   7.5   18   4.5   18   4.5   18   4.5   18   4.5   18   4.5   18   4.5   18   4.5   18   4.5   18   18   18   18   18   18   18   1	Age during your marriage?	20-24	142	36.6
Illiterate   30   7.5     Read and write   18   4.5     Grade 1-8   98   24.6     Grade 9-12   154   38.8     Collage and above   98   24.6     Amhara   136   34.3     Ethnicity   Tigre   56   14.2     Gurage   78   19.4		25-29	75	19.1
Educational statues       Read and write       18       4.5         Educational statues       Grade 1-8       98       24.6         Grade 9-12       154       38.8         Collage and above       98       24.6         Amhara       136       34.3         Oromo       104       26.1         Ethnicity       Tigre       56       14.2         Gurage       78       19.4		30-34	18	4.6
Educational statues       Grade 1-8       98       24.6         Grade 9-12       154       38.8         Collage and above       98       24.6         Amhara       136       34.3         Oromo       104       26.1         Ethnicity       Tigre       56       14.2         Gurage       78       19.4		Illiterate	30	7.5
Grade 9-12       154       38.8         Collage and above       98       24.6         Amhara       136       34.3         Oromo       104       26.1         Ethnicity       Tigre       56       14.2         Gurage       78       19.4		Read and write	18	4.5
Collage and above       98       24.6         Amhara       136       34.3         Oromo       104       26.1         Ethnicity       Tigre       56       14.2         Gurage       78       19.4	Educational statues	Grade 1-8	98	24.6
Amhara       136       34.3         Oromo       104       26.1         Ethnicity       Tigre       56       14.2         Gurage       78       19.4		Grade 9-12	154	38.8
Oromo       104       26.1         Ethnicity       Tigre       56       14.2         Gurage       78       19.4		Collage and above	98	24.6
Ethnicity         Tigre         56         14.2           Gurage         78         19.4		Amhara	136	34.3
Gurage 78 19.4		Oromo	104	26.1
	Ethnicity	Tigre	56	14.2
Others 24 6		Gurage	78	19.4
		Others	24	6

Occupation of the mother

	>2000	139	35.1
Do you have radio or television?	Yes	354	88.8
Do you have fauld of television:	No	45	11.2
Age of the child	6-8 months	163	41
Age of the Critic	9-12 months	265	59
Sex of child	Male	193	48.5
Sex of Citild	Female	205	51.5

Table 1: Socio demographic variables of child and mothers/care givers, Addis Ababa, 2015.

In relation to children's socio-demographic dfc 'Yz majority 265 (59%) were aged between 9-12 months and female in sex 205 (51.5%). From the total respondents, 306 (76.9%) had one or less male child and 353 (88.7%) had one or less female child in the house. Moreover, among a total respondents 306 (76.9%) had one or less under jY children whereas 92 (23.1%) had two or more under jY children. Pertaining to the infant characteristics, majority 265 (59%) were aged between 9-12 months and 205 (51.5%) female in sex (Table 1).

## A UMfbU fYdfcXi Wij Y\]grcfnLbX\YUh gMfj ]Wi h]`]nLl]cb

From a total of 398 mothers included in the study, 101 (25.4%) were gave birth three or more times and 297 (74.6%) had two and less delivery. From 203 mothers who have more than one child, 144 (71%) had a birth interval of three or more years. Out of the total respondents, 357 (89.6%) delivered in a health institution, and 276 (69.4%) had no medical illnesses during and U Yf pregnancy.

Concerning ANC follow up about 327 (82.1%) of respondents had ANC follow up From this, 69 (20.1) had ANC follow up three and less than three times during the last pregnancy whereas, the rest 258 (78.9%) had ANC follow up four times

fYhundred six (76.9%) mothers used family planning and more than two-third (74.6%) of the respondents had PNC follow up. From this mothers, 282 (94%) had PNC follow up of two and less than two times during the last postnatal period and the rest 18 (6%) had PNC follow up of at least three times

Almost all 396 (99.3%) of infants were immunized. About 163 (41%) of infant were less than 9 months of age and 149 (37.4%) were Wift] YX for completing immunization. Majority, 282 (70.9%) of respondents had no growth monitoring follow up in health institutions (Table 2).

Variables	Responses	Number	Percent
Number delivery including the current child	2	297	74.6
Number delivery including the current child	2		

	Gastritis	54	43.9
Did you have ANC follow up during pregnancy of the current	Yes	327	82.1
child	No	71	17.9
If you had ANC follow up how money times you visit the	< 3	69	20.1
Health institution?	> 4	258	78.9
History of post natal follow up?	Yes	297	74.6
Thooly of poet facta follow up.	No	101	25.4
If yes How many times you have PNC follow up?	<2	282	95
il yes flow many times you have five follow up:	>3	15	5
Does the child have immunized?	Yes	396	99.3
Does the child have infinitinged:	No	2	0.7
	Yes	149	37.4
If yes does he/she get immunization certificate?	No	86	21.6
	Age is less than 9 months	163	41
Do you have growth monitoring follow up in Health	Yes	116	29.1
institution?	No	282	70.9
	One	6	4.7
If you have many time you visit the institution?	Two	31	25.6
If yes how many time you visit the institution?	Three	29	23.3
	4 and above	59	46.4
At what age did you first introduce complementary food to the baby?	Before six months	134	33.6
	At six month	219	55.2
	After six months	45	11.2
	My breast milk is not sufficient	82	62.2
	Due to problems in my breast	14	11.1
If the mather start complementary food before any month	Due to medical illness	3	6.7
If the mother start complementary food before six month what is her reason? (more than one answer is possible)	lack of information on the time of starting complementary food	0	0
	Other mothers practice it	6	4.4
	I work for a long time outside my house	20	15.6
	Did not know exactly when to start	3	6.7
	Mother feels that her milk is enough for baby	27	60
If mother introduce complementary food after six month (delayed) what are the reason?	Family, elders and others mothers advice to star after six months	3	6.7
	Mother feels child may not be able to digest it	0	0
	Other specified	12	26.7
What type of food you feed for your child when you start complementary food?	semi-solid(pourage)	87	21.6

	Liquid	187	47
	Family type food	12	3
	Packed and bottled food	97	24.6
	Foods specially prepared for infants	12	3
	Others	3	0.7
Do you Know the exact time of complementary feeding	Yes	360	90.3
initiation?	No	38	9.7
	Before six month	47	13.1
If yes in which month?	At six month	250	68.9
	After six month	63	18
	Health professional	181	49.6
	Health extension workers	45	12.2
	From others mothers	47	13
Where did you get this information?	Community health volunteer	0	0
	Traditional birth attendant	0	0
	Radio or/and TV	86	23.6
	Other specified	6	1.6

## were times [AOR=17.077 (95% CI: $2808\ 103858$ )] more likely to initiate complementary feeding timely than mothers delivered at home (Table 3).

Variables	Responses	Not timely initiated complementary feeding	Timely initiated complementary feeding	COR (95%CI)	AOR (95%CI)
ANC follow up	Yes	101 (30.9%)	226 (69.1%)	5.429 (2.061-14.301)	4.783(1.309-17.477)*
ANC follow up	No	50 (70.4%)	21 (29.5%)	1	1
post natal follow up	Yes	94 (31.6%)	203 (68.3%)	2.692 (1.213-5.971)	2.321(0.597-9.0260)
post natal follow up	No	55 (54.5%)	46 (45.5%)	1	1
growth monitoring follow up	Yes	24 (20.5%)	93 (79.5%)	3.204 (1.334-7.694)	1.844(0.591-5.757)
growth monitoring follow up	No	127 (45.3%)	154 (54.7%)	1	1
Knowledge of time of complementary	Yes	122 (33.9%)	238 (66.1%)	6.504 (1.696-24.939)	6.2149 (0)
feeding initiation	No	30 (76.9%)	9 (23.1%)	1	1
	Before 6 months	38 (80.8%)	9 (19.2%)	0.229 (0.051-1.034)	0.315 (0.052-1.916)
Believed time of initiation of complementary feeding	At 6 months	55 (22.6%)	195 (78.0%)	3.136 (1.195-8.229)	5.425 (1.509-19.501) <sup>*</sup>
	After 6 months	31 (47.8%)	32 (52.2%)	1	1
Occupation	Employed	99 (54.1%)	84 (45.9%)	0.278 (0.133-0.578)	0.138 (0.045-0.418)**
	Unemployed	52 (24.7%)	163 (75.3%)	1	1
Place of delivery	Health institution	38 (33.3%)	78 (66.7%)	7.333 (1.936-27.778)	17.077 (2.808-103.858)**
	Home	33 (78.6%)	9 (21.4%)	1	1