



Evaluation of the *Nigeria Community Infant and Young Child Feeding (C-IYCF) Counselling Package*

Annex 3

HEALTH WORKER, COMMUNITY LEADER,
AND COMMUNITY VOLUNTEER TABLES

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Table 1. Sample size and background characteristics of health workers, by time point

	Pre-Training		Endline	
	n	%	n	%
Sex	N=65		N=67	
Male	14	21.5	13	19.4
Female	51	78.5	54	80.6
Current role/position in health facility	N=65		N=67	
Nurse/midwife	8	12.3	5	7.5
Community health officer	7	10.8	6	9.0
Community health extension worker	35	53.9	35	52.2
Junior community health extension worker	14	21.5	16	23.9
Other	1	1.5	5	7.5
Years in role/position in health facility	N=65		N=67	
Years, mean (SD)	8.6 (5.7)		11.3 (7.2)	

Table 2. Health worker participation in the C-IYCF trainings (endline survey)

	n	%
Did you participate in...	N=67	
The six-day infant and young child feeding training that was organized by UNICEF and the State Ministry of Health in May 2015?	61	91.0
The one-day workshop on how to prepare complementary foods in January 2016?	60	89.6
The theater for development workshop in January 2016?	36	53.7

Table 3. Health worker level of satisfaction with the C-IYCF training (post-training test)

	n	%
Objectives of the course	N=63	
Very unsatisfied	0	0.0
Unsatisfied	0	0.0
Somewhat satisfied	3	4.8
Very satisfied	60	95.2
Organization of the sessions	N=63	
Very unsatisfied	0	0.0
Unsatisfied	1	1.6
Somewhat satisfied	3	4.8
Very satisfied	59	93.7

	n	%
Handouts/materials	N=63	
Very unsatisfied	0	0.0
Unsatisfied	0	0.0
Somewhat satisfied	7	11.1
Very satisfied	56	88.9
Group size	N=59	
Very unsatisfied	0	0.0
Unsatisfied	0	0.0
Somewhat satisfied	7	1.1
Very satisfied	52	88.1
Venue	N=62	
Very unsatisfied	0	0.0
Unsatisfied	6	9.7
Somewhat satisfied	20	32.3
Very satisfied	36	58.1
Length of the course	N=57	
Very unsatisfied	0	0.0
Unsatisfied	5	8.8
Somewhat satisfied	21	36.8
Very satisfied	31	54.4
Food	N=63	
Very unsatisfied	2	3.2
Unsatisfied	5	7.9
Somewhat satisfied	23	36.5
Very satisfied	33	52.4
Transportation to and from training	N=56	
Very unsatisfied	2	3.6
Unsatisfied	8	14.3
Somewhat satisfied	19	33.9
Very satisfied	27	48.2

	n	%
Overall organization of the course	N=59	
Very unsatisfied	0	0.0
Unsatisfied	1	1.7
Somewhat satisfied	7	11.9
Very satisfied	51	86.4

Table 4. Health workers' description of the C-IYCF training (post-training test)

	n	%
I was able to practice what I was learning during the training.	N=62	
Strongly disagree	4	6.5
Disagree	0	0.0
Agree	26	41.9
Strongly agree	32	51.6
Don't know	0	0
I had an opportunity to see the trainer practice what I was learning before I tried to do so.	N=61	
Strongly disagree	4	6.6
Disagree	1	1.6
Agree	24	39.3
Strongly agree	32	52.5
The trainer was supportive, not critical.	N=57	
Strongly disagree	3	5.3
Disagree	1	1.8
Agree	21	36.8
Strongly agree	32	56.1

Table 5. Health worker perceptions of the C-IYCF training (endline survey)

	n	%
How useful have you found the infant and young child feeding training for helping you promote maternal, infant, and young child nutrition practices?	N=61	
Very useless	1	1.6
Somewhat useless	1	1.6
Somewhat useful	2	3.3
Very useful	56	91.8
Don't know	1	1.6

	n	%
How useful have you found the infant and young child feeding training for helping you implement the infant and young child feeding program?	N=61	
Very useless	1	1.6
Somewhat useless	0	0.0
Somewhat useful	3	4.9
Very useful	56	91.8
Don't know	1	1.6
Has the training increased your knowledge in optimal maternal, infant, and young child nutrition?	N=61	
No	0	0.0
Yes	60	98.4
Don't know	1	1.6
Has the training improved your skills for conducting nutrition counseling?	N=61	
No	0	0.0
Yes	60	98.4
Don't know	1	1.6
Has the training increased your knowledge of how to supervise volunteers?	N=61	
No	0	0.0
Yes	60	98.4
Don't know	1	1.6
Has it strengthened your curriculum vitae for future job opportunities?	N=61	
No	2	3.3
Yes	57	93.4
Don't know	2	3.3
Has the training caused you to change any of your own maternal, infant, and young child nutrition practices?	N=61	
No	1	1.6
Yes	59	96.7
Don't know	1	1.6

Table 6. Health worker perception of the complementary food and theater for development workshops (endline survey)

	n	%
How useful have you found the complementary food workshop for helping you promote optimal maternal, infant, and young child nutrition practices?	N=60	
Very useless	1	1.7
Somewhat useless	0	0.0
Somewhat useful	1	1.7
Very useful	57	95.0
Don't know	1	1.7
How useful have you found the theater for development workshop for helping you promote optimal maternal, infant, and young child nutrition practices?	N=36	
Very useless	0	0.0
Somewhat useless	0	0.0
Somewhat useful	1	2.8
Very useful	35	97.2
Don't know	0	0.0

Table 7. Health worker roles and responsibilities related to implementation of the C-IYCF package (endline survey)

	n	%
Do you understand your role in implementing the infant and young child feeding program?	N=67	
Not at all	1	1.5
Somewhat	2	3.0
Definitely	64	95.5
Don't know	0	0.0
Do you have anything in writing that explains your role or responsibilities related to the infant and young child feeding program?	N=67	
No	8	11.9
Yes	59	88.1
Did you experience any of the following challenges when implementing the infant and young child feeding program? – Unclear roles and responsibilities.	N=67	
No	50	74.6
Yes	17	25.4
Don't know	0	0.0

Table 8. Health worker confidence in ability to improve MIYCN practices (post-training test)

	n	%
Pregnant women eat more than before they were pregnant	N=46	
Not at all confident	3	6.5
Not confident	5	10.9
Confident	20	43.5
Very confident	18	39.1
Don't know	0	0.0
Pregnant women rest more than before they were pregnant	N=47	
Not at all confident	0	0.0
Not confident	5	10.6
Confident	20	42.6
Very confident	22	46.8
Don't know	0	0.0
Mothers breastfeed newborns for the first time within one hour of birth	N=44	
Not at all confident	2	4.5
Not confident	3	6.8
Confident	3	6.8
Very confident	36	81.8
Don't know	0	0.0
Mothers breastfeed newborns exclusively for 6 months? This means giving baby breastmilk only and no other liquids or solids, not even water	N=47	
Not at all confident	0	0.0
Not confident	2	4.3
Confident	3	6.4
Very confident	42	89.4
Don't know	0	0.0
Breastfeeding mothers eat more than before they were pregnant	N=45	
Not at all confident	2	4.4
Not confident	2	4.4
Confident	16	35.6
Very confident	25	55.6
Don't know	0	0.0

	n	%
Breastfeeding mothers rest more than before they became pregnant	N=45	
Not at all confident	2	4.4
Not confident	6	13.3
Confident	21	46.7
Very confident	16	35.6
Don't know	0	0.0
Children start being fed soft, semi-solid foods at 6 months	N=47	
Not at all confident	2	4.3
Not confident	2	4.3
Confident	8	17
Very confident	35	74.5
Don't know	0	0.0
Children ages 6 months to 2 years are fed a diverse or varied diet	N=47	
Not at all confident	0	0.0
Not confident	2	4.3
Confident	7	14.9
Very confident	38	80.9
Don't know	0	0.0
Children are breastfed for at least 2 years	N=46	
Not at all confident	0	0.0
Not confident	1	2.2
Confident	8	17.4
Very confident	37	80.4
Don't know	0	0.0

Table 9. Health worker confidence in ability to improve MIYCN practices (endline survey)

	n	%
Women eating more during pregnancy	N=67	
Very uncertain	1	1.5
Somewhat uncertain	0	0.0
Somewhat confident	4	6.0
Very confident	61	91.0
Don't know	1	1.5

	n	%
Women resting more during pregnancy	N=67	
Very uncertain	0	0.0
Somewhat uncertain	1	1.5
Somewhat confident	4	6.0
Very confident	61	91.0
Don't know	1	1.5
Women breastfeeding immediately after birth	N=67	
Very uncertain	1	1.5
Somewhat uncertain	1	1.5
Somewhat confident	8	11.9
Very confident	56	83.6
Don't know	1	1.5
Women breastfeeding within one hour of giving birth	N=67	
Very uncertain	1	1.5
Somewhat uncertain	3	4.5
Somewhat confident	10	14.9
Very confident	52	77.6
Don't know	1	1.5
Women breastfeeding exclusively for 6 months	N=67	
Very uncertain	1	1.5
Somewhat uncertain	2	3.0
Somewhat confident	9	13.4
Very confident	54	80.6
Don't know	1	1.5
Women eating more while breastfeeding	N=67	
Very uncertain	0	0.0
Somewhat uncertain	0	0.0
Somewhat confident	8	11.9
Very confident	58	86.6
Don't know	1	1.5

	n	%
Women resting more while breastfeeding	N=67	
Very uncertain	0	0.0
Somewhat uncertain	0	0.0
Somewhat confident	11	16.4
Very confident	55	82.1
Don't know	1	1.5
Families introducing nutritious and safe soft semi-solid foods to children at 6 months	N=67	
Very uncertain	1	1.5
Somewhat uncertain	2	3.0
Somewhat confident	8	11.9
Very confident	55	82.1
Don't know	1	1.5
Feeding children over 6 months old a diverse or varied diet	N=67	
Very uncertain	1	1.5
Somewhat uncertain	0	0.0
Somewhat confident	10	14.9
Very confident	55	82.1
Don't know	1	1.5
Women breastfeeding children for at least 2 years	N=67	
Very uncertain	1	1.5
Somewhat uncertain	0	0.0
Somewhat confident	9	13.4
Very confident	56	83.6
Don't know	1	1.5
Families spending time talking and having a good and relaxing time with their children while feeding them.	N=67	
Very uncertain	0	0.0
Somewhat uncertain	0	0.0
Somewhat confident	10	14.9
Very confident	56	83.6
Don't know	1	1.5

Table 10. Health worker confidence in ability to improve MIYCN practices

Feels very confident in ability to promote and change key MIYCN practices	Post-Training		Endline		P Value (post v end)
	n	%	n	%	
	N=44*		N=67		
Women eating more during pregnancy.	18	39.1	61	91.0	0.000
Women resting more during pregnancy.	22	46.8	61	91.0	0.000
Women breastfeeding immediately after giving birth.	N/A	N/A	56	83.6	N/A
Women breastfeeding within one hour of giving birth.	36	81.8	52	77.6	0.593
Women breastfeeding exclusively for 6 months.	42	89.4	54	80.6	0.206
Women eating more while breastfeeding.	25	55.6	58	86.6	0.000
Women resting more while breastfeeding.	16	35.6	55	82.1	0.000
Families introducing nutritious and safe soft semi-solid foods to children at 6 months.	35	74.5	55	82.1	0.326
Feeding children over 6 months old a diverse or varied diet.	38	80.9	55	82.1	0.867
Women breastfeeding children for at least 2 years.	37	80.4	56	83.6	0.667
Families spending time talking and having a good and relaxing time with their children while feeding them.	N/A	N/A	56	83.6	N/A

* N for post-training test varies between 44 and 47.

Table 11. Health worker involvement in recruiting and training community volunteers (endline survey)

	n	%
Did you help to recruit or select community volunteers for the infant and young child feeding program?	N=67	
No	13	19.4
Yes	54	80.6

Table 12. Health worker use of the Infant and Young Child Feeding Facilitators' Guide (endline survey)

	n	%
Do you have and did you use the Infant and Young Child Feeding Facilitators' Guide?	N=67	
Have	65	97.0
Have and have used	64	95.5

Table 13. Health worker knowledge of micronutrient-rich foods

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
Respondent identified the following as good sources of iron	N=39		N=63			N=67		
Organ meats	35	89.7	46	73.0	0.042	16	23.9	0.000
Red meats	5	12.8	14	22.2	0.236	33	49.3	0.001
Dark green vegetables*	23	57.5	34	54.0	0.725	49	73.1	0.023
Legumes	0	0.0	0	0.0	N/A	50	74.6	0.000
Number of correct iron-rich foods mentioned	N=65		N=65			N=67		
0	25	38.5	5	7.7	N/A	0	0.0	N/A
1	22	33.8	37	56.9		15	22.4	
2	13	20.0	12	18.5		24	35.8	
3	5	7.7	11	16.9		27	40.3	
4	0	0.0	0	0.0		1	1.5	
Respondent knows at least one source of iron	N=65		N=65			N=67		
No	25	38.5	5	7.7	0.000	0	0.0	0.021
Yes	40	61.5	60	92.3		67	100.0	
Respondent identified the following as good sources of vitamin A	N=37		N=62			N=67		
Orange fruits and vegetables	25	67.6	46	74.2	0.479	60	89.6	0.023
Green leaves	20	54.1	35	56.5	0.816	42	62.7	0.471
Liver**	9	23.1	13	21.0	0.803	14	20.9	0.992
Cow's milk**	4	10.3	9	14.5	0.534	11	16.4	0.766
Number of correct vitamin A-rich foods mentioned	N=65		N=65			N=67		
0	32	49.2	7	10.8	N/A	0	0.0	N/A
1	18	27.7	30	46.2		26	38.8	
2	7	10.8	17	26.2		26	38.8	
3	6	9.2	5	7.7		11	16.4	
4	2	3.1	6	9.2		4	6.0	

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
Respondent knows at least one source of vitamin A	N=65		N=65			N=67		
No	32	49.2	7	10.8	0.000	0	0.0	0.006
Yes	33	50.8	58	89.2		67	100	

* Pre-test N=40.

**Pre-test N=39.

Table 14. Health worker knowledge and attitudes about maternal nutrition

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
How long should a woman wait after the birth of a child before becoming pregnant again?	N=40		N=57			N=67		
< 2 years	4	10.0	3	5.3	N/A	4	6.0	N/A
2–3 years	35	87.5	53	93.0		63	94.0	
4–5 years	1	2.5	1	1.8		0	0.0	
> 5 years	0	0.0	0	0.0		0	0.0	
Don't know	0	0.0	0	0.0		0	0.0	
Respondent knows that a woman should wait two or more years before becoming pregnant again.	N=40		N=57			N=67		
No	4	10.0	3	5.3	0.375	4	6.0	0.865
Yes	36	90.0	54	94.7		63	94.0	
Can breastfeeding delay a new pregnancy?	N=39		N=57			N=67		
No	18	46.2	21	36.8	0.362	22	32.8	0.640
Yes	21	53.8	36	63.2		45	67.2	

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
During pregnancy, should a woman eat the same amount as before she became pregnant, less than before, or more than before?	N/A		N/A			N=67		
Same as before becoming pregnant	N/A	N/A	N/A	N/A	N/A	6	9.0	N/A
Less than before becoming pregnant	N/A	N/A	N/A	N/A		3	4.5	
More than before becoming pregnant	N/A	N/A	N/A	N/A		58	86.6	
Don't know	N/A	N/A	N/A	N/A		0	0.0	
How strongly do you agree or disagree that eating more during pregnancy is important for the health of mothers and/or children?	N=34		N=53			N=67		
Strongly disagree	3	8.8	4	7.5	N/A	2	3.0	N/A
Disagree	5	14.7	0	0.0	N/A	0	0.0	N/A
Agree	16	47.1	16	30.2	N/A	15	22.4	N/A
Strongly agree	10	29.4	33	62.3	0.003	50	74.6	0.145
Don't know	0	0.0	0	0.0	N/A	0	0.0	N/A
Agree + Strongly agree	26	76.5	49	92.5	0.035	65	97.0	0.255
How strongly do you agree or disagree that resting more during pregnancy is important for the health of mothers and/or children?	N=32		N=54			N=67		
Strongly disagree	5	15.6	3	5.6	N/A	0	0.0	N/A
Disagree	4	12.5	6	11.1	N/A	5	7.5	N/A
Agree	17	53.1	18	33.3	N/A	19	28.4	N/A
Strongly agree	6	18.8	27	50	0.004	43	64.2	0.116
Don't know	0	0.0	0	0.0	N/A	0	0.0	N/A
Agree + Strongly agree	23	71.9	45	83.3	0.207	62	92.5	0.006

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
While breastfeeding, should a woman eat the same amount as before she became pregnant, less than before, or more than before?	N/A		N/A			N=67		
Same as before	N/A	N/A	N/A	N/A	N/A	7	10.4	N/A
Less than before	N/A	N/A	N/A	N/A		0	0.0	
More than before	N/A	N/A	N/A	N/A		60	89.6	
Don't know	N/A	N/A	N/A	N/A		0	0.0	
How strongly do you agree or disagree that eating more while lactating or breastfeeding is important for the health of mothers and/or children?	N=31		N=54			N=67		
Strongly disagree	2	6.5	5	9.3	N/A	2	3.0	N/A
Disagree	3	9.7	4	7.4	N/A	1	1.5	N/A
Agree	15	48.4	15	27.8	N/A	19	28.4	N/A
Strongly agree	11	35.5	30	55.6	0.075	45	67.2	0.191
Don't know	0	0.0	0	0.0	N/A	0	0.0	N/A
Agree + Strongly agree	26	83.9	45	83.3	0.949	64	95.5	0.026
How strongly do you agree or disagree that resting more while lactating or breastfeeding is important for the health of the mother and/or child?	N=27		N=51			N=67		
Strongly disagree	2	7.4	2	3.9	N/A	1	1.5	N/A
Disagree	4	14.8	8	15.7	N/A	10	14.9	N/A
Agree	17	63.0	20	39.2	N/A	19	28.4	N/A
Strongly agree	4	14.8	21	41.2	0.018	37	55.2	0.131
Don't know	0	0.0	0	0.0	N/A	0	0.0	N/A
Agree + Strongly agree	21	77.8	41	80.4	0.786	56	83.6	0.654

Table 15. Health worker knowledge and attitudes about initiating breastfeeding

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
Respondent knows that breastfeeding should be initiated immediately after birth	N=62		N=63			N=67		
No	8	12.9	0	0.0	0.003	0	0.0	N/A
Yes	54	87.1	63	100.0		67	100.0	
How strongly do you agree or disagree that starting breastfeeding immediately after birth is important for the health of the mother and/or child?	N=31		N=56			N=67		
Strongly disagree	5	16.1	5	8.9	N/A	3	4.5	N/A
Disagree	1	3.2	1	1.8	N/A	0	0.0	N/A
Agree	8	25.8	8	14.3	0.184	6	9.0	0.354
Strongly agree	16	51.6	42	75.0	0.027	58	86.6	0.101
Don't know	1	3.2	0	0.0	N/A	0	0.0	N/A
Agree + Strongly agree	24	77.4	50	89.3	0.137	64	95.5	0.186
How strongly do you agree or disagree that giving newborn babies sugar water after birth is important for the health of the mother and/or child?	N=30		N=53			N=67		
Strongly disagree	18	60.0	43	81.1	0.036	35	52.2	0.001
Disagree	11	36.7	8	15.1	N/A	18	26.9	N/A
Agree	1	3.3	1	1.9	N/A	2	3.0	N/A
Strongly agree	0	0.0	1	1.9	N/A	11	16.4	N/A
Don't know	0	0.0	0	0.0	N/A	1	1.5	N/A
Disagree + Strongly disagree	29	96.7	51	96.2	0.918	53	79.1	0.006

Table 16. Health worker knowledge and attitudes about exclusive breastfeeding

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
Until what age should a mother give only breastmilk to her baby? (exclusively breastfeed)	N=59		N=60			N=67		
≤ 3 months	4	6.8	5	8.3	N/A	1	1.5	N/A
4 months	1	1.7	0	0.0		0	0.0	
5 months	0	0.0	0	0.0		0	0.0	
6 months	39	66.1	51	85.0	0.016	66	98.5	0.005
7 months	0	0.0	0	0.0	N/A	0	0.0	N/A
8 months	0	0.0	0	0.0		0	0.0	
9 months	0	0.0	0	0.0		0	0.0	
≥ 10 months	0	0.0	0	0.0		0	0.0	
Don't know	15	25.4	4	6.7		0	0.0	
Respondent knows to exclusively breastfeed for 6 months.	N=59		N=60			N=67		
No	20	33.9	9	15.0	0.016	1	1.5	0.005
Yes	39	66.1	51	85.0		66	98.5	
Respondent knows that a breastfed infant under 6 months old should <u>not</u> be given infant formula.	N=44		N=61			N=67		
No	11	25.0	7	11.5	0.070	4	6.0	0.267
Yes	33	75.0	54	88.5		63	94.0	
Respondent knows that a breastfed infant under 6 months old should <u>not</u> be given water.	N=41		N=54			N=67		
No	10	24.4	2	3.7	0.003	2	3.0	0.826
Yes	31	75.6	52	96.3		65	97.0	
Respondent knows that a breastfed infant under 6 months old should <u>not</u> be given tea.	N=36		N=54			N=67		
No	5	13.9	1	1.9	0.025	1	1.5	0.878
Yes	31	86.1	53	98.1		66	98.5	

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
Respondent knows that a breastfed infant under 6 months old should <u>not</u> be given coffee.	N=33		N=44			N=67		
No	0	0.0	0	0.0	N/A	1	1.5	0.416
Yes	33	100.0	44	100.0		66	98.5	
Respondent knows that a breastfed infant under 6 months old should <u>not</u> be given animal milk.	N=34		N=54			N=67		
No	1	2.9	2	3.7	0.848	1	1.5	0.437
Yes	33	97.1	52	96.3		66	98.5	
Respondent knows that a breastfed infant under 6 months old should <u>not</u> be given glucose water.	N=34		N=51			N=67		
No	6	17.6	2	3.9	0.034	2	3.0	0.781
Yes	28	82.4	49	96.1		65	97.0	
Respondent knows that a breastfed infant under 6 months should <u>not</u> be given pap.	N=31		N=43			N=67		
No	9	29.0	2	4.7	0.004	1	1.5	0.321
Yes	22	71.0	41	95.3		66	98.5	
Respondent knows that a breastfed infant under 6 months should <u>not</u> be given any liquid other than breast milk.	N=34		N=47			N=67		
No	18	52.9	9	19.1	0.001	5	7.5	0.061
Yes	16	47.1	38	80.9		62	92.5	
Respondent knows infants under 6 months do <u>not</u> need additional water if the weather is very hot.	N=46		N=61			N=67		
No	6	13.0	1	1.6	0.018	1	1.5	0.947
Yes	40	87.0	60	98.4		66	98.5	

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
Respondent knows to exclusively breastfeed for 6 months, start giving liquids at 6 months, and <u>not</u> give additional water in hot weather.	N=43		N=39			N=67		
No	33	76.7	22	56.4	0.050	15	22.4	0.000
Yes	10	23.3	17	43.6		52	77.6	
How strongly do you agree or disagree that breastfeeding exclusively for 6 months is important for the health of the mother and/or child?	N=31		N=54			N=67		
Strongly disagree	0	0.0	2	3.7	N/A	0	0.0	N/A
Disagree	3	9.7	1	1.9	N/A	1	1.5	N/A
Agree	13	41.9	4	7.4	N/A	4	6.0	N/A
Strongly agree	15	48.4	47	87.0	0.000	61	91.0	0.479
Don't know	0	0.0	0	0.0	N/A	1	1.5	N/A
Agree + Strongly agree	28	90.3	51	94.4	0.475	65	97.0	0.480
How strongly do you agree or disagree that giving infants under 6 months additional water if the weather is very hot is important for the health of the mother and/or baby?	N=28		N=52			N=67		
Strongly disagree	10	35.7	43	82.7	0.000	33	49.3	0.000
Disagree	13	46.4	8	15.4	N/A	23	34.3	N/A
Agree	3	10.7	0	0.0	N/A	0	0.0	N/A
Strongly agree	2	7.1	1	1.9	N/A	11	16.4	N/A
Don't know	0	0.0	0	0.0	N/A	0	0.0	N/A
Disagree + Strongly disagree	23	82.1	51	98.1	0.010	56	83.6	0.009

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
How strongly do you agree or disagree that giving infants under 6 months thin or watery pap is important for the health of the mother and/or baby?	N=26		N=52			N=67		
Strongly disagree	12	46.2	39	75.0	0.012	30	44.8	0.001
Disagree	10	38.5	8	15.4	N/A	30	44.8	N/A
Agree	2	7.7	1	1.9	N/A	0	0.0	N/A
Strongly agree	2	7.7	4	7.7	N/A	7	10.4	N/A
Don't know	0	0.0	0	0.0	N/A	0	0.0	N/A
Disagree + Strongly disagree	22	84.6	47	90.4	0.452	60	89.6	0.881

Table 17. Health worker knowledge and attitudes about continued breastfeeding

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
Until what age should a baby continue to breastfeed?	N=48		N=60			N=67		
Less than 6 months	3	6.3	5	8.3	N/A	1	1.5	N/A
6–17 months	6	12.5	6	10.0		5	7.5	
18–23 months	12	25.0	0	0.0		3	4.5	
24–31 months	19	39.6	46	76.7		54	80.6	
32–35 months	0	0.0	0	0.0		0	0.0	
36–41 months	1	2.1	0	0.0		1	1.5	
42+ months	0	0.0	0	0.0		3	4.5	
Don't know	7	14.6	3	5.0		0	0.0	
Respondent knows to continue breastfeeding for 2+ years.	N=48		N=60			N=67		
No	28	58.3	14	23.3	0.000	9	13.4	0.148
Yes	20	41.7	46	76.7		58	86.6	

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
How strongly do you agree or disagree that breastfeeding children for at least two years is important for the health of the mother and/or child?	N=23		N=50			N=67		
Strongly disagree	1	4.3	3	6.0	N/A	1	1.5	N/A
Disagree	1	4.3	0	0.0	N/A	2	3.0	N/A
Agree	14	60.9	12	24.0	N/A	12	17.9	N/A
Strongly agree	7	30.4	35	70.0	0.001	51	76.1	0.458
Don't know	0	0.0	0	0.0	N/A	1	1.5	N/A
Agree + Strongly agree	21	91.3	47	94.0	0.672	63	94.0	0.995

Table 18. Health worker knowledge and attitudes about optimal breastfeeding practices

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
How often should a baby breastfeed?	N=58		N=63			N/A		
As frequently as the baby wants (requests or demands)	43	74.1	60	95.2	N/A	N/A	N/A	N/A
Every three hours	7	12.1	2	3.2		N/A	N/A	
When the baby cries	4	6.9	0	0		N/A	N/A	
Other	3	5.2	1	1.6		N/A	N/A	
Don't know	1	1.7	0	0		N/A	N/A	
How often should a baby breastfeed each day and night?	N/A		N/A			N=67		
According to a schedule	N/A	N/A	N/A	N/A	N/A	0	0.0	N/A
As frequently as the baby wants, requests, or demands	N/A	N/A	N/A	N/A		65	97.0	
When the baby cries	N/A	N/A	N/A	N/A		2	3.0	
Other	N/A	N/A	N/A	N/A		0	0.0	
Don't know	N/A	N/A	N/A	N/A		0	0.0	

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
Respondent knows it is best to feed on demand.	N=58		N=63			N=67		
No	15	25.9	3	4.8	0.001	2	3.0	0.599
Yes	43	74.1	60	95.2		65	97.0	
How strongly do you agree or disagree that breastfeeding infants under 6 months on demand based on infant hunger is important for the health of the mother and/or child?	N=26		N=51			N=67		
Strongly disagree	3	11.5	10	19.6	N/A	4	6.0	N/A
Disagree	10	38.5	4	7.8	N/A	11	16.4	N/A
Agree	5	19.2	3	5.9	N/A	14	20.9	N/A
Strongly agree	8	30.8	34	66.7	0.003	38	56.7	0.272
Don't know	0	0.0	0	0.0	N/A	0	0.0	N/A
Agree + Strongly agree	13	50.0	37	72.5	0.050	52	77.6	0.527

Table 19. Health worker knowledge of hunger signs

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
What are some of the <i>early signs</i> indicating that a baby is hungry?	N=58		N=62			N=67		
Baby is alert	21	36.2	37	59.7	0.010	23	34.3	0.004
Baby is restless	27	46.6	45	72.6	0.004	45	67.2	0.503
Baby is crying	N/A	N/A	N/A	N/A	N/A	62	92.5	N/A
Baby opens his/her mouth	26	44.8	47	75.8	0.001	35	52.2	0.005
Baby turns his/her head	14	24.1	42	67.7	0.000	13	19.4	0.000
Baby puts tongue in and out	23	39.7	46	74.2	0.000	18	26.9	0.000
Baby sucks on hand or fist	20	34.5	43	69.4	0.000	20	29.9	0.000

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
Number of early signs of hunger known	N=58		N=62			N=67		
0	2	3.6	2	3.2	N/A	4	6	N/A
1	35	62.5	13	21		15	22.4	
2	2	3.6	1	1.6		23	34.3	
3	2	3.6	4	6.5		13	19.4	
4	3	5.4	4	6.5		8	11.9	
5	5	8.9	9	14.5		2	3.0	
6	5	8.9	25	40.3		2	3.0	
7	2	3.6	4	6.5	0	0.0		
Knows at least two early signs of hunger	19	32.8	46	74.2	0.000	39	58.2	0.056

Table 20. Health worker knowledge of breastmilk production

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
Can a thin or malnourished mother can produce "enough" breastmilk for her under 6-month-old?	N=46		N=61			N=67		
No	35	76.1	0	0.0	0.000	24	35.8	0.000
Yes	11	23.9	61	100.0		43	64.2	
Should a mother with a child under 6 months old continue breastfeeding her child if she becomes ill?	N=54		N=63			N=67		
No	12	22.2	1	1.6	0.000	2	3	0.596
Yes	42	77.8	62	98.4		65	97	
Should a child under 6 months old should continue breastfeeding if the child becomes ill?	N=54		N=63			N=67		
No	4	7.4	1	1.6	0.121	1	1.5	0.965
Yes	50	92.6	62	98.4		66	98.5	

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
Should a woman continue breastfeeding if she becomes pregnant?	N=38		N=58			N=67		
No	9	23.7	4	6.9	0.019	4	6	0.833
Yes	29	76.3	54	93.1		63	94.0	
Are there things a mother can do to increase milk production?	N=45		N=60			N=67		
No	3	6.7	10	16.7	0.124	11	16.4	0.970
Yes	42	93.3	50	83.3		56	83.6	
Respondent knows that breastfeeding can increase breastmilk production.	N=27		N=50			N=56		
No	1	3.7	0	0	0.171	3	5.4	0.097
Yes	26	96.3	50	100		53	94.6	

Table 21. Health worker knowledge and attitudes about complementary feeding

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
When do you think a baby should first be given soft, semi-solid foods?	N=60		N=61			N=67		
≤ 3 months	4	6.7	0	0.0	N/A	0	0.0	N/A
4 months	1	1.7	0	0.0		0	0.0	
5 months	0	0.0	0	0.0		0	0.0	
6 months	32	53.3	57	93.4	0.000	38	56.7	0.000
7 months	7	11.7	0	0.0	N/A	11	16.4	N/A
8 months	0	0.0	0	0.0		0	0.0	
9 months	0	0.0	2	3.3		12	17.9	
≥ 10 months	1	1.7	0	0.0		6	9.0	
Don't know	15	25.0	2	3.3		0	0.0	

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
Respondent knows the correct timing for complementary feeding (6 months).	N=60		N=61			N=67		
No	28	46.7	4	6.6	0.000	29	43.3	0.000
Yes	32	53.3	57	93.4		38	56.7	
How strongly do you agree or disagree that starting feeding children soft, semi-solid foods at 6 months is important for the health of the mother and/or child?	N=27		N=51			N=67		
Strongly disagree	2	7.4	7	13.7	N/A	4	6.0	N/A
Disagree	4	14.8	1	2.0	N/A	8	11.9	N/A
Agree	17	63.0	11	21.6	N/A	23	34.3	N/A
Strongly agree	4	14.8	32	62.7	0.000	32	47.8	0.106
Don't know	0	0.0	0	0.0	N/A	0	0.0	N/A
Agree + Strongly agree	21	77.8	43	84.3	0.474	55	82.1	0.631
How strongly do you agree or disagree that feeding children over 6 months old a diverse diet is important for the health of the mother and/or child?	N=21		N=45			N=67		
Strongly disagree	2	9.5	5	11.1	N/A	1	1.5	N/A
Disagree	1	4.8	3	6.7	N/A	6	9.0	N/A
Agree	14	66.7	22	48.9	N/A	28	41.8	N/A
Strongly agree	2	9.5	15	33.3	0.039	32	47.8	0.129
Don't know	2	9.5	0	0.0	N/A	0	0.0	N/A
Agree + Strongly agree	16	76.2	37	82.2	0.566	60	89.6	0.119

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
How strongly do you agree or disagree that waiting until a child is 1 year old to feed animal protein is important for the health of the mother and/or child?	N=24		N=48			N=67		
Strongly disagree	11	45.8	23	47.9	0.867	14	20.9	0.002
Disagree	6	25.0	15	31.3	N/A	31	46.3	N/A
Agree	6	25.0	5	10.4	N/A	11	16.4	N/A
Strongly agree	1	4.2	5	10.4	N/A	11	16.4	N/A
Don't know	0	0.0	0	0.0	N/A	0	0.0	N/A
Disagree + Strongly disagree	17	70.8	38	79.2	0.433	45	67.2	0.741

Table 22. Health worker attitudes about WASH practices

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
How strongly do you agree or disagree that washing hands with soap before eating is important for the health of the mother and/or child?	N=24		N=51			N=67		
Strongly disagree	1	4.2	3	5.9	N/A	2	3.0	N/A
Disagree	2	8.3	0	0.0	N/A	1	1.5	N/A
Agree	9	37.5	8	15.7	N/A	9	13.4	N/A
Strongly agree	12	50.0	40	78.4	0.013	55	82.1	0.619
Don't know	0	0.0	0	0.0	N/A	0	0.0	N/A
Agree + Strongly agree	21	87.5	48	94.1	0.324	64	95.5	0.731

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
How strongly do you agree or disagree that washing hands with soap before preparing food or cooking is important for the health of the mother and/or child?	N=25		N=51			N=67		
Strongly disagree	1	4.0	3	5.9	N/A	1	1.5	N/A
Disagree	0	0.0	0	0.0	N/A	1	1.5	N/A
Agree	10	40.0	6	11.8	N/A	13	19.4	N/A
Strongly agree	14	56.0	42	82.4	0.014	52	77.6	0.526
Don't know	0	0.0	0	0.0	N/A	0	0.0	N/A
Agree + Strongly agree	24	96.0	48	94.1	0.730	65	97.0	0.807
How strongly do you agree or disagree that washing hands with soap before feeding a child is important for the health of the mother and/or child?	N=24		N=51			N=67		
Strongly disagree	1	4.2	3	5.9	N/A	1	1.5	N/A
Disagree	2	8.3	0	0.0	N/A	0	0.0	N/A
Agree	9	37.5	7	13.7	N/A	9	13.4	N/A
Strongly agree	12	50	41	80.4	0.007	57	85.1	0.502
Don't know	0	0.0	0	0.0	N/A	0	0.0	N/A
Agree + Strongly agree	21	87.5	48	94.1	0.324	66	98.5	0.192
How strongly do you agree or disagree that keeping animals outside of the living area is important for the health of the mother and/or child?	N=24		N=46			N=67		
Strongly disagree	4	16.7	4	8.7	N/A	3	4.5	N/A
Disagree	0	0.0	0	0.0	N/A	2	3.0	N/A
Agree	10	41.7	15	32.6	N/A	17	25.4	N/A
Strongly agree	10	41.7	27	58.7	0.175	45	67.2	0.358
Don't know	0	0.0	0	0.0	N/A	0	0.0	N/A
Agree + Strongly agree	20	83.3	42	91.3	0.320	62	92.5	0.812

Table 23. Health Workers' Knowledge of Support Groups

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
What do you think is a good size (number of participants) in a support group?	N=29		N=42			N=67		
<3	1	3.4	1	2.4	N/A	0	0.0	N/A
3-7	5	17.2	2	4.8		3	4.5	
8-12	9	31.0	36	85.7		54	80.6	
13-17	3	10.3	0	0.0		8	11.9	
18-22	5	17.2	2	4.8		0	0.0	
23-27	5	17.2	0	0.0		1	1.5	
≥28	1	3.4	1	2.4		0	0.0	
Don't know	0	0.0	0	0.0		1	1.5	
Respondent knows that the optimal size of a support group is 3 to 12 people	N=29		N=42			N=67		
No	15	51.7	4	9.5	0.000	10	14.9	0.412
Yes	14	48.3	38	90.5		57	85.1	
Respondent knows that a support group should be arranged in a circle	N=53		N=51			N=67		
No	20	37.7	3	5.9	0.000	9	13.4	0.179
Yes	33	62.3	48	94.1		58	86.6	

Table 24. Health worker knowledge of communication (endline survey)

	n	%
What are ways of communicating without words?	N=67	
Pay attention	41	61.2
Use positive body language/hand gestures	37	55.2
Keep head level with client	31	46.3
Make eye contact/look in client's eyes	22	32.8
Use appropriate touch	17	25.4

	n	%
Take time, don't hurry	13	19.4
Remove barriers	8	11.9
Other way to communicate	3	4.5
Don't know way to communicate	1	1.5

Table 25. Health worker confidence to implement the C-IYCF package (endline survey)

	n	%
How confident do you feel in your ability to prepare infant and young child feeding monthly reports?	N=67	
Very uncertain	1	1.5
Somewhat uncertain	0	0.0
Somewhat confident	0	0.0
Very confident	65	97.0
Don't know	1	1.5
How confident do you feel in your ability to organize infant and young child feeding monthly review meetings with community volunteers at the ward level?	N=66	
Very uncertain	0	0.0
Somewhat uncertain	0	0.0
Somewhat confident	2	3.0
Very confident	64	97.0
Don't know	0	0.0
How confident do you feel in your ability to supportively supervise infant and young child feeding community volunteers?	N=65	
Very uncertain	0	0.0
Somewhat uncertain	0	0.0
Somewhat confident	0	0.0
Very confident	65	100.0
Don't know	0	0.0

Table 26. Sample size and background characteristics of community leaders, by ward and time point

	Baseline		Endline	
	n	%	n	%
Ward of residence	N=78		N=92	
Afogo	8	10.3	8	8.7
Buda	8	10.3	12	13

	Baseline		Endline	
	n	%	n	%
Idon	8	10.3	9	9.8
Kajuru	8	10.3	9	9.8
Kallah	7	9.0	9	9.8
Kasuwa Magani	7	9.0	9	9.8
Kufana	8	10.3	8	8.7
Maro	8	10.3	8	8.7
Rimau	8	10.3	12	13
Tantatu	8	10.3	8	8.7
Sex	N=78		N=92	
Male	--	--	79	85.9
Female	--	--	13	14.1
Age (years)	N=78		N=92	
20–39	23	29.5	23	25.6
40–49	24	30.0	21	23.3
≥ 50	31	39.7	46	51.1
Highest level of schooling	N=78		N=92	
None	14	17.9	11	12.0
Primary	19	24.4	26	28.3
Secondary	21	26.9	25	27.2
Higher	24	30.8	30	32.6

Table 27. Community leader participation in the C-IYCF trainings (endline survey)

	n	%
Did you participate in...	N=92	
The six-day infant and young child feeding training that was organized by UNICEF and the State Ministry of Health in May 2015?	44	47.8
The one-day workshop on how to prepare complementary foods in January 2016?	51	55.4
The theater for development workshop in January 2016?	47	51.1

Table 28. Community leader perception of the C-IYCF training (endline survey)

	n	%
How useful have you found the infant and young child feeding training for helping you promote maternal, infant, and young child nutrition practices?	N=44	
Very useless	0	0.0
Somewhat useless	0	0.0
Somewhat useful	1	2.3
Very useful	43	97.7
Don't know	0	0.0
As a result of the training...	N=44	
Has your knowledge of optimal maternal, infant, and young child nutrition increased?	44	100.0
Have more people in the community looked to you for your advice?	44	100.0
Has your curriculum vitae improved for future job opportunities?	41	93.2
Have you changed any of your own maternal, infant, and young child nutrition practices?	43	97.7

Table 29. Community leader perception of the complementary food and theater for development workshops (endline survey)

	n	%
How useful have you found the complementary feeding training for helping you to promote optimal maternal, infant, and young child nutrition practices?	N=51	
Very useless	0	0.0
Somewhat useless	0	0.0
Somewhat useful	1	2.0
Very useful	50	98.0
Don't know	0	0.0
How useful have you found the theater for development workshop for helping you to promote optimal maternal, infant, and young child nutrition practices?	N=47	
Very useless	0	0.0
Somewhat useless	0	0.0
Somewhat useful	4	8.5
Very useful	43	91.5
Don't know	0	0.0

Table 30. Community leader roles and responsibilities related to implementation of the C-IYCF package (endline survey)

	n	%
Do you understand your role in implementing the infant and young child feeding program?	N=92	
Not at all	5	5.4
Somewhat	11	12.0
Definitely	73	79.3
Don't know	3	3.3
Do you have anything in writing that explains your role or responsibilities related to the infant and young child feeding program?	N=92	
No	50	54.3
Yes	42	45.7
Did you experience any of the following challenges when implementing the infant and young child feeding program? – Unclear roles and responsibilities.	N=92	
No	74	80.4
Yes	18	19.6
Don't know	0	0.0

Table 31. Community leader confidence in ability to improve MIYCN practices (endline survey)

	n	%
Women eating more during pregnancy.	N=92	
Very uncertain	2	2.2
Somewhat uncertain	4	4.3
Somewhat confident	20	21.7
Very confident	63	68.5
Don't know	3	3.3
Women resting more during pregnancy.	N=92	
Very uncertain	1	1.1
Somewhat uncertain	8	8.7
Somewhat confident	22	23.9
Very confident	59	64.1
Don't know	2	2.2

	n	%
Women breastfeeding immediately after birth.	N=92	
Very uncertain	3	3.3
Somewhat uncertain	6	6.5
Somewhat confident	23	25.0
Very confident	58	63.0
Don't know	2	2.2
Women breastfeeding within one hour of birth.	N=92	
Very uncertain	3	3.3
Somewhat uncertain	8	8.7
Somewhat confident	25	27.2
Very confident	54	58.7
Don't know	2	2.2
Women breastfeeding exclusively for 6 months.	N=92	
Very uncertain	3	3.3
Somewhat uncertain	4	4.3
Somewhat confident	25	27.2
Very confident	58	63.0
Don't know	2	2.2
Women eating more while breastfeeding.	N=92	
Very uncertain	1	1.1
Somewhat uncertain	8	8.7
Somewhat confident	22	23.9
Very confident	58	63.0
Don't know	3	3.3
Women resting more while breastfeeding.	N=92	
Very uncertain	2	2.2
Somewhat uncertain	8	8.7
Somewhat confident	29	31.5
Very confident	52	56.5
Don't know	1	1.1

	n	%
Families introducing nutritious and safe soft semi-solid foods to children at 6 months.	N=92	
Very uncertain	4	4.3
Somewhat uncertain	13	14.1
Somewhat confident	29	31.5
Very confident	44	47.8
Don't know	2	2.2
Feeding children over 6 months old a diverse or varied diet.	N=92	
Very uncertain	2	2.2
Somewhat uncertain	18	19.6
Somewhat confident	21	22.8
Very confident	50	54.3
Don't know	1	1.1
Women breastfeeding children for at least 2 years.	N=92	
Very uncertain	3	3.3
Somewhat uncertain	10	10.9
Somewhat confident	20	21.7
Very confident	57	62.0
Don't know	2	2.2
Families spending time talking and having a good and relaxing time with their children while feeding them.	N=92	
Very uncertain	1	1.1
Somewhat uncertain	12	13.0
Somewhat confident	27	29.3
Very confident	51	55.4
Don't know	1	1.1
Total number of actions about which the respondent feels very confident.	N=90	
0	11	12.2
1	4	4.4
2	3	3.3
3	6	6.7
4	8	8.9
5	4	4.4
6	4	4.4
7	1	1.1

	n	%
8	6	6.7
9	10	11.1
10	8	8.9
11	25	27.8

Table 32. Community leader involvement in recruiting and training community volunteers (endline survey)

	n	%
Did you help to recruit or select community volunteers for the infant and young child feeding program?	N=92	
No	31	33.7
Yes	61	66.3
Did you assist with training community volunteers for the infant and young child feeding program? This includes planning and conducting the trainings, as well as inviting volunteers to the training.	N=67	
No	10	14.9
Yes	57	85.1

Table 33. Community leader knowledge of micronutrient-rich foods (endline survey)

	n	%
Respondent identified the following as good sources of iron	N=92	
Organ meats	52	56.5
Red meat	36	39.1
Dark green vegetables	71	77.2
Legumes	62	67.4
Number of correct iron-rich foods identified	N=92	
0	2	2.2
1	12	13.0
2	35	38.0
3	33	35.9
4	10	10.9
Respondent knows at least one source of iron.	N=92	
No	2	2.2
Yes	90	97.8

	n	%
Respondent identified the following as good sources of vitamin A.	N=92	
Orange fruits and vegetables	65	70.7
Green leaves	57	62.0
Liver	27	29.3
Cow's milk	16	17.4
Number of correct vitamin A-rich foods identified	N=92	
0	12	13.0
1	22	23.9
2	37	40.2
3	15	16.3
4	6	6.5
Respondent knows at least one source of vitamin A.	N=92	
No	12	13.0
Yes	80	87.0

Table 34. Community leader knowledge and attitudes about maternal nutrition

	Baseline		Endline		P Value (post v end)
	n	%	n	%	
Should a woman continue breastfeeding if she becomes pregnant?	N/A		N=92		
No	N/A	N/A	55	59.8	N/A
Yes	N/A	N/A	37	40.2	
How long should a woman wait after the birth of a child before becoming pregnant again?	N/A		N=92		
< 2 years	N/A	N/A	9	9.8	N/A
2–3 years	N/A	N/A	78	84.8	
4–5 years	N/A	N/A	5	5.4	
> 5 years	N/A	N/A	0	0.0	
Don't know	N/A	N/A	0	0.0	
Respondent knows that a woman should wait 2 years or more after the birth of a child before becoming pregnant again.	N/A		N=92		
No	N/A	N/A	9	9.8	N/A
Yes	N/A	N/A	83	90.2	

	Baseline		Endline		P Value (post v end)
	n	%	n	%	
Can breastfeeding delay a new pregnancy?	N/A		N=92		
No	N/A	N/A	55	59.8	N/A
Yes	N/A	N/A	37	40.2	
During pregnancy, should a woman eat the same amount as before she became pregnant, less than before, or more than before?	N/A		N=92		
Same as before becoming pregnant	N/A	N/A	13	14.1	N/A
Less than before becoming pregnant	N/A	N/A	3	3.3	
More than before becoming pregnant	N/A	N/A	76	82.6	
Don't know	N/A	N/A	0	0.0	
How strongly do you agree or disagree that eating more during pregnancy is important for the health of mothers and/or children?	N=77		N=92		
Strongly disagree	0	0.0	0	0.0	N/A
Disagree	6	7.8	2	2.2	N/A
Agree	47	61.0	27	29.3	N/A
Strongly agree	24	31.2	63	68.5	0.000
Don't know	0	0.0	0	0.0	N/A
Agree + Strongly agree	71	92.2	90	97.8	0.087
How strongly do you agree or disagree that resting more during pregnancy is important for the health of mothers and/or children?	N=77		N=92		
Strongly disagree	0	0.0	2	2.2	N/A
Disagree	10	13.0	8	8.7	N/A
Agree	47	61.0	33	35.9	N/A
Strongly agree	20	26.0	49	53.3	0.000
Don't know	0	0.0	0	0.0	N/A
Agree + Strongly agree	67	87.0	82	89.1	0.671
While breastfeeding, should a woman eat the same amount as before she became pregnant, less than before, or more than before?	N/A		N=92		
Same as before	N/A	N/A	8	8.7	N/A
Less than before	N/A	N/A	1	1.1	
More than before	N/A	N/A	83	90.2	
Don't know	N/A	N/A	0	0.0	

	Baseline		Endline		P Value (post v end)
	n	%	n	%	
How strongly do you agree or disagree that eating more while lactating or breastfeeding is important for the health of mothers and/or children?	N=77		N=92		
Strongly disagree	0	0.0	0	0.0	N/A
Disagree	0	0.0	3	3.3	N/A
Agree	48	62.3	30	32.6	N/A
Strongly agree	29	37.7	59	64.1	0.001
Don't know	0	0.0	0	0.0	N/A
Agree + Strongly agree	77	100.0	89	96.7	0.110
How strongly do you agree or disagree that resting more while lactating or breastfeeding is important for the health of the mother and/or child?	N=77		N=92		
Strongly disagree	0	0.0	0	0.0	N/A
Disagree	15	19.5	7	7.6	N/A
Agree	43	55.8	43	46.7	N/A
Strongly agree	19	24.7	42	45.7	0.005
Don't know	0	0.0	0	0.0	N/A
Agree + Strongly agree	62	80.5	85	92.4	0.022

Table 35. Community leader knowledge and attitudes about initiating breastfeeding

	Baseline		Endline		P Value (post v end)
	n	%	n	%	
Respondent knows that breastfeeding should be initiated immediately or less than 1 hour after birth.	N=77		N=92		
No	27	35.1	13	14.1	0.001
Yes	50	64.9	79	85.9	
How strongly do you agree or disagree that starting breastfeeding immediately after birth is important for the health of the mother and/or child?	N=77		N=92		
Strongly disagree	0	0.0	1	1.1	N/A
Disagree	19	24.7	9	9.8	N/A
Agree	36	46.8	27	29.3	N/A
Strongly agree	22	28.6	55	59.8	0.000
Don't know	0	0.0	0	0.0	N/A
Agree + Strongly agree	58	75.3	82	89.1	0.018

	Baseline		Endline		P Value (post v end)
	n	%	n	%	
How strongly do you agree or disagree that starting breastfeeding within one hour of birth is important for the health of the mother and/or child?	N/A		N=92		
Strongly disagree	N/A	N/A	7	7.6	N/A
Disagree	N/A	N/A	21	22.8	
Agree	N/A	N/A	28	30.4	
Strongly agree	N/A	N/A	35	38.0	
Don't know	N/A	N/A	1	1.1	
Agree + Strongly agree	N/A	N/A	63	68.4	N/A
How strongly do you agree or disagree that giving newborn babies sugar water after birth is important for the health of the mother and/or child?	N=77		N=92		
Strongly disagree	11	14.3	37	40.2	0.000
Disagree	36	46.8	38	41.3	N/A
Agree	21	27.3	10	10.9	N/A
Strongly agree	5	6.5	7	7.6	N/A
Don't know	4	5.2	0	0.0	N/A
Disagree + Strongly disagree	47	61.0	75	81.5	0.003

Table 36. Community leader knowledge and attitudes about exclusive breastfeeding

	Baseline		Endline		P Value (post v end)
	n	%	n	%	
Until what age should a mother give only breastmilk to her baby? (exclusively breastfeed)	N/A		N=92		
≤ 3 months	N/A	N/A	5	5.4	N/A
4 months	N/A	N/A	2	2.2	N/A
5 months	N/A	N/A	0	0.0	N/A
6 months	N/A	N/A	81	88.0	N/A
7 months	N/A	N/A	0	0.0	N/A
8 months	N/A	N/A	0	0.0	N/A
9 months	N/A	N/A	1	1.1	N/A
≥ 10 months	N/A	N/A	3	3.3	N/A
Don't know	N/A	N/A	0	0.0	N/A

	Baseline		Endline		P Value (post v end)
	n	%	n	%	
Respondent knows...	N/A		N=92		
to exclusively breastfeed for 6 months.	N/A	N/A	81	88.0	N/A
that a breastfed infant under 6 months old should not be given infant formula.	N/A	N/A	81	88.0	
that a breastfed infant under 6 months old should not be given water.	N/A	N/A	85	92.4	
that a breastfed infant under 6 months old should not be given tea.	N/A	N/A	89	96.7	
that a breastfed infant under 6 months old should not be given coffee.	N/A	N/A	89	96.7	
that a breastfed infant under 6 months old should not be given animal milk.	N/A	N/A	89	96.7	
that a breastfed infant under 6 months old should not be given glucose water.	N/A	N/A	82	89.1	
that a breastfed infant under 6 months old should not be given pap.	N/A	N/A	88	95.7	
that a breastfed infant under 6 months old should not be given anything else.	N/A	N/A	88	95.7	
that breastfed infants under 6 months should not be given any of the additional liquids mentioned.	N/A	N/A	73	79.3	
When should a baby first receive additional liquids?	N/A		N=92		
≤ 3 months	N/A	N/A	4	4.3	N/A
4 months	N/A	N/A	2	2.2	
5 months	N/A	N/A	0	0.0	
6 months	N/A	N/A	48	52.2	
7 months	N/A	N/A	31	33.7	
8 months	N/A	N/A	3	3.3	
9 months	N/A	N/A	3	3.3	
≥ 10 months	N/A	N/A	1	1.1	
Don't know	N/A	N/A	0	0.0	
Respondent knows...	N/A		N=92		
to start giving breastfed infants liquids at 6 months of age.	N/A	N/A	48	52.2	N/A
that infants under 6 months do not need additional water if the weather is very hot.	N/A	N/A	80	87.0	
to exclusively breastfeed for 6 months, start giving liquids at 6 months, and not give additional water in hot weather.	N/A	N/A	39	42.4	

	Baseline		Endline		P Value (post v end)
	n	%	n	%	
How strongly do you agree or disagree that breastfeeding exclusively for 6 months is important for the health of the mother and/or child?	N=77		N=92		
Strongly disagree	1	1.3	0	0.0	N/A
Disagree	16	20.8	2	2.2	N/A
Agree	42	54.5	23	25.0	N/A
Strongly agree	18	23.4	67	72.8	0.000
Don't know	0	0.0	0	0.0	N/A
Agree + Strongly agree	60	77.9	90	97.8	0.000
How strongly do you agree or disagree that giving infants under 6 months additional water if the weather is very hot is important for the health of the mother and/or baby?	N=76		N=92		
Strongly disagree	6	7.9	29	31.5	0.000
Disagree	22	28.9	45	48.9	N/A
Agree	44	57.9	10	10.9	N/A
Strongly agree	4	5.3	8	8.7	N/A
Don't know	0	0.0	0	0.0	N/A
Disagree + Strongly disagree	28	36.8	74	80.4	0.000
How strongly do you agree or disagree that giving infants under 6 months thin or watery pap is important for the health of the mother and/or baby?	N=75		N=92		
Strongly disagree	2	2.7	34	37.0	0.000
Disagree	25	33.3	42	45.7	N/A
Agree	46	61.3	8	8.7	N/A
Strongly agree	2	2.7	8	8.7	N/A
Don't know	0	0.0	0	0.0	N/A
Disagree + Strongly disagree	27	36.0	76	82.6	0.000

Table 37. Community leader knowledge and attitudes about continued breastfeeding

	Baseline		Endline		P Value (post v end)
	n	%	n	%	
Until what age should a baby continue to breastfeed?	N/A		N=92		
6–17 months	N/A	N/A	19	20.7	N/A
18–23 months	N/A	N/A	11	12.0	
24–31 months	N/A	N/A	60	65.2	
32–35 months	N/A	N/A	0	0.0	
36–41 months	N/A	N/A	1	1.1	
42+ months	N/A	N/A	1	1.1	
Don't know	N/A	N/A	0	0.0	
Respondent knows to continue breastfeeding for 2+ years.	N/A		N=92		N/A
No	N/A	N/A	30	32.6	N/A
Yes	N/A	N/A	62	67.4	
How strongly do you agree or disagree that breastfeeding children for at least two years is important for the health of the mother and/or child?	N=76		N=92		
Strongly disagree	0	0.0	2	2.2	N/A
Disagree	28	36.8	9	9.8	N/A
Agree	34	44.7	32	34.8	N/A
Strongly agree	12	15.8	49	53.3	0.000
Don't know	2	2.6	0	0.0	N/A
Agree + Strongly agree	46	60.5	81	88.0	0.000

Table 38. Community leader knowledge and attitudes about optimal breastfeeding practices

	Baseline		Endline		P Value (post v end)
	n	%	n	%	
How often should a baby breastfeed?	N/A		N=92		
According to a schedule	N/A	N/A	8	8.7	N/A
As frequently as the baby wants, requests, or demands	N/A	N/A	64	69.6	N/A
When the baby cries	N/A	N/A	16	17.4	N/A
Other	N/A	N/A	4	4.3	N/A
Don't know	N/A	N/A	0	0.0	N/A

	Baseline		Endline		P Value (post v end)
	n	%	n	%	
How strongly do you agree or disagree that breastfeeding infants under 6 months old more than 8 times per day, day and night, is important for the health of the mother and/or child?	N=76		N/A		
Strongly disagree	0	0.0	N/A	N/A	N/A
Disagree	7	9.2	N/A	N/A	N/A
Agree	49	64.5	N/A	N/A	N/A
Strongly agree	19	25.0	N/A	N/A	N/A
Don't know	1	1.3	N/A	N/A	N/A
Agree + Strongly agree	68	89.5	N/A	N/A	N/A
How strongly do you agree or disagree that breastfeeding infants under 6 months on demand based on infant hunger signs is important for the health of the mother and/or baby?	N/A		N=92		
Strongly disagree	N/A	N/A	4	4.3	N/A
Disagree	N/A	N/A	18	19.6	N/A
Agree	N/A	N/A	28	30.4	N/A
Strongly agree	N/A	N/A	42	45.7	N/A
Don't know	N/A	N/A	0	0.0	N/A
Agree + Strongly agree	N/A	N/A	70	76.1	N/A

Table 39. Community leader knowledge of hunger signs (endline survey)

	n	%
What are some of the <i>early signs</i> indicating that a baby is hungry?	N=92	
Baby is alert	24	26.1
Baby is restless	32	34.8
Baby is crying	88	95.7
Baby opens his/her mouth	26	28.3
Baby turns his/her head	17	18.5
Baby puts tongue in and out	15	16.3

	n	%
Number of correct identifications of hunger signs	N=92	
0	23	25.0
1	29	31.5
2	27	29.3
≥ 3	13	14.1
Respondent knows at least two early hunger signs.	40	43.5

Table 40. Community leader knowledge of breastmilk production (endline survey)

	n	%
Can a thin or malnourished mother can produce “enough” breastmilk for her under 6-month-old?	N=92	
No	72	78.3
Yes	20	21.7
Should a mother with a child under 6 months old continue breastfeeding her child if she becomes ill?	N=92	
No	18	19.6
Yes	74	80.4
Should a child under 6 months old should continue breastfeeding if the child becomes ill?	N=92	
No	12	13.0
Yes	80	87.0
Should a woman continue breastfeeding if she becomes pregnant?	N=92	
No	34	37.0
Yes	58	63.0
Are there things a mother can do to increase milk production?	N=92	
No	4	4.3
Yes	88	95.7
Respondent knows that breastfeeding can increase breastmilk production.	N=88	
No	14	15.9
Yes	74	84.1

Table 41. Community leader knowledge and attitudes about complementary feeding

	Baseline		Endline		P Value (post v end)
	n	%	n	%	
When do you think a baby should first be given soft, semi-solid foods?	N=76		N=92		
≤ 3 months	18	23.7	0	0.0	N/A
4 months	1	1.3	1	1.1	
5 months	8	10.5	0	0.0	
6 months	41	53.9	27	29.3	
7 months	3	3.9	27	29.3	
8 months	1	1.3	2	2.2	
9 months	0	0.0	12	13.0	
≥ 10 months	2	2.6	23	25.0	
Don't know	2	2.6	0	0.0	
Respondent knows the correct timing for complementary feeding (6 months).	N=76		N=92		
No	36	47.4	65	70.7	0.002
Yes	40	52.6	27	29.3	
How strongly do you agree or disagree that starting feeding children soft, semi-solid foods at 6 months is important for the health of the mother and/or child.	N=76		N=92		
Strongly disagree	0	0.0	7	7.6	N/A
Disagree	13	17.1	21	22.8	N/A
Agree	52	68.4	46	50.0	N/A
Strongly agree	11	14.5	18	19.6	0.385
Don't know	0	0.0	0	0.0	N/A
Agree + Strongly agree	63	82.9	64	69.6	0.045
How strongly do you agree or disagree that feeding children over 6 months old a diverse diet is important for the health of the mother and/or child.	N=76		N=92		
Strongly disagree	0	0.0	2	2.2	N/A
Disagree	8	10.5	20	21.7	N/A
Agree	53	69.7	50	54.3	N/A
Strongly agree	15	19.7	20	21.7	0.750
Don't know	0	0.0	0	0.0	N/A
Agree + Strongly agree	68	89.5	70	76.1	0.024

	Baseline		Endline		P Value (post v end)
	n	%	n	%	
How strongly do you agree or disagree that waiting until a child is one year old to feed him animal protein is important for the health of the mother and/or child?	N=76		N=92		
Strongly disagree	0	0.0	2	2.2	0.196
Disagree	34	44.7	27	29.3	N/A
Agree	35	46.1	39	42.4	N/A
Strongly agree	6	7.9	24	26.1	N/A
Don't know	1	1.3	0	0.0	N/A
Disagree + Strongly disagree	34	44.7	29	31.5	0.078

Table 42. Community leader attitudes about WASH practices

	Baseline		Endline		P Value (post v end)
	n	%	n	%	
How strongly do you agree or disagree that washing hands with soap before eating is important for the health of the mother and/or child?	N=76		N=92		
Strongly disagree	0	0.0	0	0.0	N/A
Disagree	0	0.0	1	1.1	N/A
Agree	33	43.4	27	29.3	N/A
Strongly agree	43	56.6	64	69.6	0.081
Don't know	0	0.0	0	0.0	N/A
Agree + Strongly agree	76	100.0	91	98.9	0.362
How strongly do you agree or disagree that washing hands with soap before preparing food or cooking is important for the health of the mother and/or child?	N=76		N=92		
Strongly disagree	0	0.0	0	0.0	N/A
Disagree	0	0.0	0	0.0	N/A
Agree	36	47.4	30	32.6	N/A
Strongly agree	40	52.6	62	67.4	0.051
Don't know	0	0.0	0	0.0	N/A
Agree + Strongly agree	76	100.0	92	100.0	N/A

	Baseline		Endline		P Value (post v end)
	n	%	n	%	
How strongly do you agree or disagree that washing hands with soap before feeding a child is important for the health of the mother and/or child?	N=76		N=92		
Strongly disagree	0	0.0	0	0.0	N/A
Disagree	0	0.0	1	1.1	N/A
Agree	37	48.7	26	28.3	N/A
Strongly agree	39	51.3	65	70.7	0.010
Don't know	0	0.0	0	0.0	N/A
Agree + Strongly agree	76	100.0	91	98.9	0.362
How strongly do you agree or disagree that keeping animals outside of the living area is important for the health of the mother and/or child?	N=76		N=92		
Strongly disagree	1	1.3	1	1.1	N/A
Disagree	6	7.9	2	2.2	N/A
Agree	47	61.8	32	34.8	N/A
Strongly agree	22	28.9	57	62.0	0.000
Don't know	0	0.0	0	0.0	N/A
Agree + Strongly agree	69	90.8	89	96.7	0.105

Table 43. Sample size and background characteristics of community volunteers, by ward and time point

	Pre- and Post-Training		Endline	
	n	%	n	%
Ward of residence	N=237		N=238	
Afogo	25	10.5	24	10.1
Buda	33	13.9	36	15.1
Idon	16	6.8	16	6.7
Kajuru	17	7.2	27	11.3
Kallah	26	11	26	10.9
Kasuwa Magani	32	13.5	32	13.4
Kufana	35	14.8	24	10.1
Maro	17	7.2	18	7.6
Rimau	16	6.8	16	6.7
Tantatu	20	8.4	19	8.0

	Pre- and Post-Training		Endline	
	n	%	n	%
Sex	N=237		N=238	
Male	74	31.2	61	25.6
Female	163	68.8	177	74.4
Age (years)	N=234		N=238	
≤19	10	4.3	7	2.9
20–24	60	25.6	49	20.6
25–29	52	22.2	55	23.1
30–34	42	17.9	48	20.2
≥ 35	31	21.8	79	33.2
Don't know	19	8.1	0	0
Mean (SD)	29.2 (7.9)		31.6 (9.2)	
Religion	N=237		N=238	
Christian	179	75.5	--	--
Muslim	58	24.5	--	--
Primary language	N=237		N=238	
Hausa	118	50.0	--	--
Adara	97	41.1	--	--
Other	21	8.9	--	--

Table 44. Community volunteer participation in the C-IYCF trainings (endline survey)

	n	%
Did you participate in...	N=238	
The three-day infant and young child feeding training that was organized by UNICEF and the State Ministry of Health in June 2015?	223	93.7
The one-day workshop on how to prepare complementary foods in January 2016?	225	94.5
The theater for development workshop in January 2016?	199	83.6

Table 45. Community volunteer level of satisfaction with the C-IYCF trainings (post-training test)

	n	%
Organization of the course	N=235	
Very unsatisfied	0	0.0
Unsatisfied	1	0.4
Satisfied	68	28.9
Very satisfied	166	70.6
Don't know	0	0.0
Handouts/materials	N=235	
Very unsatisfied	2	0.9
Unsatisfied	1	0.4
Satisfied	63	26.8
Very satisfied	169	71.9
Don't know	0	0.0
Group size	N=235	
Very unsatisfied	2	0.9
Unsatisfied	3	1.3
Satisfied	78	33.2
Very satisfied	152	64.7
Don't know	0	0.0
Venue	N=235	
Very unsatisfied	0	0.0
Unsatisfied	3	1.3
Satisfied	70	29.8
Very satisfied	162	68.9
Don't know	0	0.0
Length of the course	N=234	
Very unsatisfied	1	0.4
Unsatisfied	2	0.9
Satisfied	68	29.1
Very satisfied	163	69.7
Don't know	0	0.0

	n	%
Food	N=235	
Very unsatisfied	1	0.4
Unsatisfied	0	0.0
Satisfied	64	27.2
Very satisfied	170	72.3
Don't know	0	0.0
Transportation to and from training	N=235	
Very unsatisfied	0	0.0
Unsatisfied	4	1.7
Satisfied	79	33.6
Very satisfied	152	64.7
Don't know	0	0.0
Overall satisfaction with the training	N=235	
Very unsatisfied	0	0.0
Unsatisfied	1	0.4
Satisfied	78	33.2
Very satisfied	156	66.4
Don't know	0	0.0
Trainers' communication of training content	N=235	
Very weak/unqualified	0	0.0
Weak/unqualified	1	0.4
Strong/qualified	85	36.2
Very strong/qualified	149	63.4
Don't know	0	0.0
Trainers' knowledge of the topic	N=235	
Very weak/unqualified	0	0.0
Weak/unqualified	0	0.0
Strong/qualified	83	35.3
Very strong/qualified	152	64.7
Don't know	0	0.0

	n	%
Trainers providing opportunities to practice the new knowledge or skills taught	N=235	
Very weak/unqualified	0	0.0
Weak/unqualified	0	0.0
Strong/qualified	107	45.5
Very strong/qualified	128	54.5
Don't know	0	0.0
Trainers asking for your input based on your past experiences and knowledge	N=234	
Very weak/unqualified	0	0.0
Weak/unqualified	1	0.4
Strong/qualified	107	45.7
Very strong/qualified	126	53.8
Don't know	0	0.0
Trainers providing opportunities for you to give feedback and/or questions	N=235	
Very weak/unqualified	0	0.0
Weak/unqualified	2	0.9
Strong/qualified	103	43.8
Very strong/qualified	130	55.3
Don't know	0	0.0
Trainers' overall performance	N=235	
Very weak/unqualified	0	0.0
Weak/unqualified	1	0.4
Strong/qualified	105	44.7
Very strong/qualified	129	54.9
Don't know	0	0.0

Table 46. Community volunteer perception of the C-IYCF training

	Post-Training		Endline		P Value (post v end)
	n	%	n	%	
Overall usefulness of the training to respondents	N=235		N/A		
Not at all useful	0	0.0	N/A	N/A	N/A
Not useful	1	0.4	N/A	N/A	
Useful	6	2.6	N/A	N/A	

	Post-Training		Endline		P Value (post v end)
	n	%	n	%	
Very useful	228	97.0	N/A	N/A	
Don't know	0	0.0	N/A	N/A	
How useful have you found the C-IYCF training for helping you promote maternal, infant, and young child nutrition practices?	N/A		N=223		
Very useless	N/A	N/A	1	0.4	N/A
Somewhat useless	N/A	N/A	0	0.0	
Somewhat useful	N/A	N/A	5	2.2	
Very useful	N/A	N/A	217	97.3	
Don't know	N/A	N/A	0	0.0	
How useful have you found the C-IYCF training for helping you to implement the infant and young child feeding program?	N/A		N=223		
Very useless	N/A	N/A	1	0.4	N/A
Somewhat useless	N/A	N/A	0	0.0	
Somewhat useful	N/A	N/A	8	3.6	
Very useful	N/A	N/A	214	96.0	
Don't know	N/A	N/A	0	0.0	
Has the training increased your knowledge of optimal maternal, infant, and young child nutrition?	N/A		N=223		
No	N/A	N/A	1	0.4	N/A
Yes	N/A	N/A	222	99.6	
Don't know	N/A	N/A	0	0.0	
Has the training increased your skills for conducting nutrition counseling?	N/A		N=223		
No	N/A	N/A	0	0.0	N/A
Yes	N/A	N/A	223	100.0	
Don't know	N/A	N/A	0	0.0	
Do more people in the community respect you because of your role as a trained volunteer?	N/A		N=223		
No	N/A	N/A	1	0.4	N/A
Yes	N/A	N/A	222	99.6	
Don't know	N/A	N/A	0	0.0	
Has the training strengthened your curriculum vitae for future job opportunities?	N/A		N=223		
No	N/A	N/A	7	3.1	N/A

	Post-Training		Endline		P Value (post v end)
	n	%	n	%	
Yes	N/A	N/A	215	96.4	
Don't know	N/A	N/A	1	0.4	
Has the training caused you to change any of your own maternal, infant, and young child nutrition practices?	N/A		N=223		
No	N/A	N/A	9	4.0	N/A
Yes	N/A	N/A	214	96.0	
Don't know	N/A	N/A	0	0.0	

Table 47. Community volunteer perception of the complementary food and theater for development workshops (endline survey)

	n	%
How useful have you found that training for helping you promote optimal maternal, infant, and young child nutrition practices?	N=225	
Very useless	0	0.0
Somewhat useless	0	0.0
Somewhat useful	2	0.9
Very useful	223	99.1
Don't know	0	0.0
How useful have you found the theater for development workshop for helping you promote optimal maternal, infant, and young child nutrition practices?	N=199	
Very useless	0	0.0
Somewhat useless	0	0.0
Somewhat useful	5	2.5
Very useful	194	97.5
Don't know	0	0.0

Table 48. Community volunteer roles and responsibilities related to implementation of the C-IYCF package (endline survey)

	n	%
Do you understand your role in implementing the infant and young child feeding program?	N=238	
Not at all	0	0.0
Somewhat	12	5.0
Definitely	226	95.0
Don't know	0	0.0

	n	%
Do you have anything in writing that explains your role or responsibilities related to the infant and young child feeding program?	N=238	
No	35	14.7
Yes	203	85.3
Did you experience any of the following challenges when implementing the infant and young child feeding program? – Unclear roles and responsibilities.	N=238	
No	214	89.9
Yes	24	10.1

Table 49. Community volunteer confidence in ability to improve MIYCN practices (endline survey)

	n	%
Women eating more during pregnancy	N=238	
Very uncertain	0	0.0
Somewhat uncertain	4	1.7
Somewhat confident	29	12.2
Very confident	205	86.1
Don't know	0	0.0
Women resting more during pregnancy	N=238	
Very uncertain	3	1.3
Somewhat uncertain	7	2.9
Somewhat confident	56	23.5
Very confident	172	72.3
Don't know	0	0.0
Women breastfeeding immediately after birth	N=238	
Very uncertain	2	0.8
Somewhat uncertain	9	3.8
Somewhat confident	47	19.7
Very confident	150	63
Don't know	30	12.6
Women breastfeeding within one hour of giving birth	N=238	
Very uncertain	8	3.4
Somewhat uncertain	34	14.3
Somewhat confident	52	21.8

	n	%
Very confident	144	60.5
Don't know	0	0.0
Women breastfeeding exclusively for 6 months	N=238	
Very uncertain	1	0.4
Somewhat uncertain	1	0.4
Somewhat confident	37	15.5
Very confident	199	83.6
Don't know	0	0.0
Women eating more while breastfeeding	N=238	
Very uncertain	0	0.0
Somewhat uncertain	2	0.8
Somewhat confident	30	12.6
Very confident	206	86.6
Don't know	0	0.0
Women resting more while breastfeeding	N=238	
Very uncertain	3	1.3
Somewhat uncertain	12	5.0
Somewhat confident	56	23.5
Very confident	166	69.7
Don't know	1	0.4
Families introducing nutritious and safe semi-solid foods to children at 6 months	N=238	
Very uncertain	7	2.9
Somewhat uncertain	29	12.2
Somewhat confident	73	30.7
Very confident	129	54.2
Don't know	0	0.0
Women breastfeeding children for at least 2 years	N=238	
Very uncertain	1	0.4
Somewhat uncertain	5	2.1
Somewhat confident	56	23.5
Very confident	174	73.1
Don't know	2	0.8

	n	%
Families spending time talking and having a good and relaxing time with their children while feeding them	N=238	
Very uncertain	0	0.0
Somewhat uncertain	14	5.9
Somewhat confident	69	29
Very confident	155	65.1
Don't know	0	0.0
Total number of actions about which the respondent feels very confident	N=205	
0	3	1.5
1	1	0.5
2	5	2.4
3	6	2.9
4	14	6.8
5	15	7.3
6	28	13.7
7	27	13.2
8	21	10.2
9	28	13.7
10	57	27.8

Table 50. Community volunteer knowledge of micronutrient-rich foods

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
Identified the following as good sources of iron	N=237		N=235			N=238		
Organ meats	27	11.4	36	15.3	0.210	30	12.6	0.394
Red meats	62	26.2	83	35.3	0.031	115	48.3	0.004
Legumes	86	36.3	106	44.7	0.061	190	79.8	0.000
Number of correct iron-rich foods identified	N=238		N=238			N=238		
0	64	26.9	41	17.2	N/A	4	1.7	N/A
1	69	29.0	58	24.4		25	10.5	
2	79	33.2	98	41.2		115	48.3	
3	26	10.9	32	13.4		85	35.7	

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
4	0	0.0	9	3.8		9	3.8	
Respondent knows at least one source of iron.	N=238		N=238			N=238		
No	64	26.9	41	17.2	0.011	4	1.7	0.000
Yes	174	73.1	197	82.8		234	98.3	
Respondent identified the following as good sources of vitamin A.	N=236		N=235			N=238		
Orange fruits and vegetables	75	31.8	169	71.9	0.000	184	77.3	0.177
Green leaves	79	33.5	105	44.7	0.013	163	68.5	0.000
Liver	9	3.8	29	12.3	0.001	60	25.2	0.000
Cow's milk	18	7.6	24	10.2	0.325	39	16.4	0.048
Number of correct vitamin A-rich foods identified	N=238		N=238			N=238		
0	111	46.6	45	18.9	N/A	18	7.6	N/A
1	77	32.4	88	37.0		61	25.6	
2	46	19.3	81	34.0		104	43.7	
3	4	1.7	19	8.0		43	18.1	
4	0	0.0	5	2.1		12	5.0	
Respondent knows at least one source of vitamin A.	N=238		N=238			N=238		
No	111	46.6	45	18.9	0.000	18	7.6	0.000
Yes	127	53.4	193	81.1		220	92.4	

Table 51. Community volunteer knowledge and attitudes about maternal nutrition

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
How long should a woman wait after the birth of a child before becoming pregnant again?	N=237		N=235			N=238		
< 2 years	31	13.1	21	8.9	N/A	8	3.4	N/A
2–3 years	190	80.2	201	85.5		208	87.4	
4–5 years	9	3.8	10	4.3		20	8.4	
> 5 years	1	0.4	1	0.4		2	0.8	
Don't know	6	2.5	2	0.9		0	0.0	
Respondent knows that a woman should wait two or more years before becoming pregnant again.	N=237		N=235			N=238		
No	37	15.6	23	9.8	0.058	8	3.4	0.005
Yes	200	84.4	212	90.2		230	96.6	
Can breastfeeding delay a new pregnancy?	N=232		N=235			N=238		
No	203	91.4	154	65.8	N/A	131	55.3	N/A
Yes	19	8.6	80	34.2	0.000	106	44.7	0.019
Don't know	10	4.3	1	0.4	N/A	1	0.4	N/A
During pregnancy, should a woman eat the same amount as before she became pregnant, less than before, or more than before?	N/A		N/A			N=238		
Same as before becoming pregnant	N/A	N/A	N/A	N/A	N/A	17	7.1	N/A
Less than before becoming pregnant	N/A	N/A	N/A	N/A	N/A	2	0.8	N/A
More than before becoming pregnant	N/A	N/A	N/A	N/A	N/A	219	92.0	N/A
Don't know	N/A	N/A	N/A	N/A	N/A	0	0.0	N/A

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
How strongly do you agree or disagree that eating more during pregnancy is important for the health of mothers and/or children?	N=237		N=235			N=238		
Strongly disagree	0	0.0	1	0.4	N/A	2	0.8	N/A
Disagree	16	6.8	3	1.3	N/A	2	0.8	N/A
Agree	123	51.9	84	35.7	N/A	66	27.7	N/A
Strongly agree	96	40.5	147	62.6	0.000	167	70.2	0.080
Don't know	2	0.8	0	0.0	N/A	1	0.4	N/A
Agree + Strongly agree	219	92.4	231	98.3	0.002	233	97.9	0.751
How strongly do you agree or disagree that resting more during pregnancy is important for the health of mothers and/or children?	N=237		N=235			N=238		
Strongly disagree	12	5.1	2	0.9	N/A	1	0.4	N/A
Disagree	11	4.6	9	3.8	N/A	17	7.1	N/A
Agree	140	59.1	80	34.0	N/A	80	33.6	N/A
Strongly agree	74	31.2	144	61.3	0.000	139	58.4	0.524
Don't know	0	0.0	0	0.0	N/A	1	0.4	N/A
Agree + Strongly agree	214	90.3	224	95.3	0.035	219	92.0	0.141
While breastfeeding, should a woman eat the same amount as before she became pregnant, less than before, or more than before?	N/A		N/A			N=238		
Same as before	N/A	N/A	N/A	N/A	N/A	13	5.5	N/A
Less than before	N/A	N/A	N/A	N/A	N/A	0	0.0	N/A
More than before	N/A	N/A	N/A	N/A	N/A	225	94.5	N/A
Don't know	N/A	N/A	N/A	N/A	N/A	0	0.0	N/A

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
How strongly do you agree or disagree that eating more during lactating or breastfeeding is important for the health of mothers and/or children?	N=237		N=235			N=238		
Strongly disagree	0	0.0	1	0.4	N/A	1	0.4	N/A
Disagree	2	0.8	5	2.1	N/A	2	0.8	N/A
Agree	135	57	69	29.4	N/A	85	35.7	N/A
Strongly agree	100	42.2	160	68.1	0.000	150	63.0	0.247
Don't know	0	0.0	0	0.0	N/A	0	0.0	N/A
Agree + Strongly agree	235	99.2	229	97.4	0.150	235	98.7	0.304
How strongly do you agree or disagree that resting more during lactating or breastfeeding is important for the health of mothers and/or children?	N=237		N=235			N=238		
Strongly disagree	1	0.4	5	2.1	N/A	5	2.1	N/A
Disagree	7	3.0	5	2.1	N/A	19	8.0	N/A
Agree	148	62.4	76	32.3	N/A	91	38.2	N/A
Strongly agree	78	32.9	149	63.4	0.000	122	51.3	0.008
Don't know	3	1.3	0	0.0	N/A	1	0.4	N/A
Agree + Strongly agree	226	95.4	225	95.7	0.839	213	89.5	0.009

Table 52. Community volunteer knowledge and attitudes about initiating breastfeeding

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
Respondent knows that breastfeeding should be initiated immediately or within 1 hour of birth.	N=237		N=234			N=238		
No	111	46.8	11	4.7	0.000	4	1.7	0.061
Yes	126	53.2	223	95.3		234	98.3	

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
How strongly do you agree or disagree that starting breastfeeding immediately after birth is important for the health of the mother and/or child?	N=235		N=234			N=238		
Strongly disagree	9	3.8	2	0.9	N/A	0	0.0	N/A
Disagree	21	8.9	2	0.9	N/A	8	3.4	N/A
Agree	146	62.1	83	35.5	N/A	65	27.3	N/A
Strongly agree	58	24.7	147	62.8	0.000	165	69.3	0.135
Don't know	1	0.4	0	0.0	N/A	0	0.0	N/A
Agree + Strongly agree	204	86.8	230	98.3	0.000	230	96.6	0.254
How strongly do you agree or disagree that starting breastfeeding within one hour of birth is important for the health of the mother and/or child?	N/A		N/A			N=238		
Strongly disagree	N/A	N/A	N/A	N/A	N/A	11	4.6	N/A
Disagree	N/A	N/A	N/A	N/A		85	35.7	
Agree	N/A	N/A	N/A	N/A		57	23.9	
Strongly agree	N/A	N/A	N/A	N/A		85	35.7	
Don't know	N/A	N/A	N/A	N/A		0	0.0	
Agree + Strongly agree	N/A	N/A	N/A	N/A		142	59.6	
How strongly do you agree or disagree that giving newborn babies sugar water after birth is important for the health of the mother and/or child?	N=236		N=235			N=238		
Strongly disagree	34	14.4	92	39.1	0.000	106	44.5	0.235
Disagree	137	58.1	123	52.3	N/A	98	41.2	N/A
Agree	46	19.5	9	3.8	N/A	17	7.1	N/A
Strongly agree	12	5.1	11	4.7	N/A	17	7.1	N/A

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
Don't know	7	3.0	0	0.0	N/A	0	0.0	N/A
Disagree + Strongly disagree	171	72.5	215	91.5	0.000	204	85.7	0.048

Table 53. Community volunteer knowledge and attitudes about exclusive breastfeeding

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
Until what age should a mother give only breastmilk to her baby? (exclusively breastfeed)	N=234		N=235			N=238		
≤ 3 months	24	10.3	2	0.9	N/A	0	0	N/A
4 months	2	0.9	0	0.0	N/A	1	0.4	N/A
5 months	2	0.9	0	0.0	N/A	0	0	N/A
6 months	190	81.2	232	98.7	0.000	236	99.2	0.643
7 months	2	0.9	1	0.4	N/A	0	0	N/A
8 months	0	0.0	0	0.0	N/A	0	0.0	N/A
9 months	1	0.4	0	0.0	N/A	0	1.0	N/A
≥ 10 months	5	2.1	0	0.0	N/A	0.4	6.0	N/A
Don't know	8	3.4	0	0.0	N/A	0	0.0	N/A
Respondent knows to exclusively breastfeed for 6 months.	N=234		N=235			N=238		
No	44	18.8	3	1.3	0.000	2	0.8	0.643
Yes	190	81.2	232	98.7		236	99.2	
Respondent knows that a breastfed infant under 6 months old should <u>not</u> be given infant formula.	N=237		N=235			N=238		
No	87	36.7	4	1.7	0.000	14	5.9	0.018
Yes	150	63.3	231	98.3		224	94.1	

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
Respondent knows that a breastfed infant under 6 months old should <u>not</u> be given water.	N=237		N=235			N=238		
No	66	27.8	0	0.0	0.000	4	1.7	0.046
Yes	171	72.2	235	100.0		234	98.3	
Respondent knows that a breastfed infant under 6 months old should <u>not</u> be given tea.	N=237		N=235			N=238		
No	42	17.7	0	0.0	0.000	3	1.3	0.084
Yes	195	82.3	235	100.0		235	98.7	
Respondent knows that a breastfed infant under 6 months old should <u>not</u> be given coffee.	N=236		N=234			N=238		
No	23	9.7	0	0.0	0.000	2	0.8	0.160
Yes	213	90.3	234	100.0		236	99.2	
Respondent knows that a breastfed infant under 6 months old should <u>not</u> be given animal milk.	N=237		N=234			N=238		
No	31	13.1	2	0.9	0.000	6	2.5	0.161
Yes	206	86.9	232	99.1		232	97.5	
Respondent knows that a breastfed infant under 6 months old should <u>not</u> be given glucose water.	N=236		N=234			N=238		
No	73	30.9	0	0.0	0.000	7	2.9	0.008
Yes	163	69.1	234	100.0		231	97.1	
Respondent knows that a breastfed infant under 6 months old should <u>not</u> be given pap.	N=236		N=234			N=238		
No	36	15.3	0	0.0	0.000	9	3.8	0.003
Yes	200	84.7	234	100.0		229	96.2	

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
Respondent knows that breastfed infants under 6 months old should <u>not</u> be given anything else.	N=224		N=234			N=238		
No	20	8.9	2	0.9	0.000	9	3.8	0.035
Yes	204	91.1	232	99.1		229	96.2	
Respondent knows that breastfed infants under 6 months should <u>not</u> be given any of the additional liquids mentioned.	N=236		N=234			N=238		
No	128	54.2	4	1.7	0.000	32	13.4	0.000
Yes	108	45.8	230	98.3		206	86.6	
When should a baby first receive additional liquids?	N=235		N=233			N=238		
≤ 3 months	32	13.6	3	1.3	N/A	3	1.3	N/A
4 months	7	3.0	0	0.0		0	0.0	
5 months	1	0.4	0	0.0		1	0.4	
6 months	158	67.2	175	75.1	0.060	156	65.5	0.023
7 months	24	10.2	51	21.9	N/A	69	29.0	N/A
8 months	6	2.6	2	0.9		2	0.8	
9 months	2	0.9	2	0.9		6	2.5	
≥ 10 months	0	0.0	0	0.0		1	0.4	
Don't know	5	2.1	0	0.0		0	0.0	
Respondent knows to start giving breastfed infants liquids at 6 months of age.	N=235		N=233			N=238		
No	77	32.8	58	24.9	0.060	82	34.5	0.023
Yes	158	67.2	175	75.1		156	65.5	

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
Respondent knows that infants under 6 months do <u>not</u> need additional water if the weather is very hot.	N=235		N=235			N=238		
No	97	41.3	4	1.7	0.000	7	2.9	0.371
Yes	138	58.7	231	98.3		231	97.1	
Respondent knows to exclusively breastfeed for 6 months, start giving liquids at 6 months, and <u>not</u> give additional water in hot weather.	N=235		N=232			N=238		
No	163	69.4	65	28.0	0.000	107	45.0	0.000
Yes	72	30.6	167	72.0		131	55.0	
How strongly do you agree or disagree that breastfeeding exclusively for 6 months is important for the health of the mother and/or child?	N=236		N=235			N=238		
Strongly disagree	6	2.5	4	1.7	N/A	0	0.0	N/A
Disagree	17	7.2	2	0.9	N/A	7	2.9	N/A
Agree	154	65.3	85	36.2	N/A	43	18.1	N/A
Strongly agree	58	24.6	144	61.3	0.000	188	79.0	0.000
Don't know	1	0.4	0	0.0	N/A	0	0.0	N/A
Agree + Strongly agree	212	89.8	229	97.4	0.001	231	97.1	0.796
How strongly do you agree or disagree that giving infants under 6 months additional water if the weather is very hot is important for the health of the mother and/or baby?	N=236		N=234			N=238		
Strongly disagree	29	12.3	101	43.2	0.000	80	33.6	0.033
Disagree	81	34.3	119	50.9	N/A	116	48.7	N/A
Agree	110	46.6	10	4.3	N/A	21	8.8	N/A

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
Strongly agree	12	5.1	4	1.7	N/A	20	8.4	N/A
Don't know	4	1.7	0	0.0	N/A	1	0.4	N/A
Disagree + Strongly disagree	110	46.6	220	94.0	0.000	196	82.4	0.000
How strongly do you agree or disagree that giving infants under 6 months thin or watery pap is important for the health of the mother and/or baby?	N=236		N=234			N=238		
Strongly disagree	32	13.6	98	41.9	0.000	90	37.8	0.367
Disagree	110	46.6	127	54.3	N/A	115	48.3	N/A
Agree	80	33.9	1	0.4	N/A	16	6.7	N/A
Strongly agree	12	5.1	8	3.4	N/A	17	7.1	N/A
Don't know	2	0.8	0	0.0	N/A	0	0.0	N/A
Disagree + Strongly disagree	142	60.2	225	96.2	0.000	205	86.1	0.000

Table 54. Community volunteer knowledge and attitudes about continued breastfeeding

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
Until what age should a baby continue to breastfeed?	N=230		N=231			N=238		
< 6 months	2	0.9	2	0.9	N/A	4	1.7	N/A
6–17 months	54	23.5	8	3.5		8	3.4	
18–23 months	79	34.3	10	4.3		8	3.4	
24–31 months	91	39.6	211	91.3		211	88.7	
32–35 months	0	0.0	0	0.0		0	0.0	
36–41 months	1	0.4	0	0.0		1	0.4	
42+ months	0	0.0	0	0.0		6	2.5	
Don't know	3	1.3	0	0.0		0	0.0	

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
Respondent knows to continue breastfeeding for 2+ years.	N=230		N=231			N=238		
No	138	60.0	20	8.7	0.000	20	8.4	0.921
Yes	92	40.0	211	91.3		218	91.6	
How strongly do you agree or disagree that breastfeeding children for at least two years is important for the health of the mother and/or child?	N=232		N=234			N=238		
Strongly disagree	6	2.6	0	0.0	N/A	1	0.4	N/A
Disagree	35	15.1	5	2.1	N/A	4	1.7	N/A
Agree	143	61.6	94	40.2	N/A	70	29.4	N/A
Strongly agree	48	20.7	135	57.7	0.000	163	68.5	0.015
Don't know	0	0.0	0	0.0	N/A	0	0.0	N/A
Agree + Strongly agree	191	82.3	229	97.9	0.000	233	97.9	0.978

Table 55. Community volunteer knowledge and attitudes about optimal breastfeeding practices

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
How often should a baby breastfeed?	N=235		N=227			N/A		
As frequently as the baby wants (requests or demands)	156	66.4	196	86.3	N/A	N/A	N/A	N/A
Every three hours	12	5.1	3	1.3		N/A	N/A	
When the baby cries	27	11.5	9	4.0		N/A	N/A	
Other	33	14.0	18	7.9		N/A	N/A	
Don't know	7	3.0	1	0.4		N/A	N/A	

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
How often should a baby breastfeed each day and night?	N/A		N/A			N=238		
According to a schedule	N/A	N/A	N/A	N/A	N/A	3	1.3	N/A
As frequently as the baby wants, requests, or demands	N/A	N/A	N/A	N/A		208	87.4	
When the baby cries	N/A	N/A	N/A	N/A		24	10.1	
Other	N/A	N/A	N/A	N/A		3	1.3	
Don't know	N/A	N/A	N/A	N/A		0	0.0	
Respondent knows it is best to feed on demand.	N=235		N=227			N=238		
No	79	33.6	31	13.7	0.000	30	12.6	0.737
Yes	156	66.4	196	86.3		208	87.4	
How strongly do you agree or disagree with breastfeeding infants under 6 months on demand?	N=235		N=234			N=238		
Strongly disagree	34	14.5	45	19.2	N/A	18	7.6	N/A
Disagree	25	10.6	13	5.6	N/A	53	22.3	N/A
Agree	158	67.2	97	41.5	N/A	64	26.9	N/A
Strongly agree	17	7.2	79	33.8	0.000	103	43.3	0.034
Don't know	1	0.4	0	0.0	N/A	0	0.0	N/A
Agree + Strongly agree	175	74.5	176	75.2	0.852	167	70.2	0.219

Table 56. Community volunteer knowledge of hunger signs

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
What are some of the early signs that a baby is hungry?	N=237		N=234			N=238		
Baby is alert*	11	4.6	11	4.7	0.967	67	28.2	0.000
Baby is restless	88	37.1	141	60.3	0.000	89	37.4	0.000
Baby opens his/her mouth	24	10.1	69	29.5	0.000	100	42.0	0.005
Baby turns his/her head	9	3.8	38	16.2	0.000	59	24.8	0.022

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
Baby puts tongue in and out	3	1.3	49	20.9	0.000	68	28.6	0.055
Baby sucks on hand or fist*	14	5.9	56	23.9	0.000	65	27.3	0.401
Number of early signs of hunger known	N=58		N=62			N=67		
0 signs	109	46.0	28	12.1	N/A	29	12.2	N/A
1 sign	105	44.3	95	40.9				
2 signs	21	8.9	71	30.6				
≥ 3 signs	2	0.8	38	16.4				
Respondent knows at least two hunger signs.	23	9.7	109	47.0	0.000	134	56.3	0.043

*Post-test N=233

Table 57. Community volunteer knowledge of breastmilk production

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
Can a thin or malnourished mother can produce “enough” breastmilk for her under 6-month-old?	N=236		N=232			N=238		
No	183	77.5	73	31.5	0.000	100	42.0	0.018
Yes	53	22.5	159	68.5		138	58.0	
Should a mother with a child under 6 months old continue breastfeeding her child if she becomes ill?	N=237		N=234			N=238		
No	68	28.7	6	2.6	0.000	14	5.9	0.074
Yes	169	71.3	228	97.4		224	94.1	
Should a child under 6 months old should continue breastfeeding if the child becomes ill?	N=237		N=235			N=238		
No	10	4.2	2	0.9	0.020	7	2.9	0.096
Yes	227	95.8	233	99.1		231	97.1	

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
Should a woman continue breastfeeding if she becomes pregnant?	N=236		N=234			N=238		
No	114	48.3	7	3.0	0.000	30	12.6	0.000
Yes	122	51.7	227	97.0		208	87.4	
Are there things a mother can do to increase milk production?	N=232		N=233			N=238		
No	14	6.0	12	5.2	0.678	24	10.1	0.044
Yes	218	94.0	221	94.8		214	89.9	
Respondent knows that breastfeeding can increase milk production.	N=232		N=233			N=238		
No	93	40.1	17	7.3	0.000	29	12.2	0.074
Yes	139	59.9	216	92.7		209	87.8	

Table 58. Community volunteer knowledge and attitudes about complementary feeding

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
When do you think a baby should first be given soft, semi-solid foods?	N=215		N=228			N=238		
≤ 3 months	7	3.3	0	0.0	N/A	0	0.0	N/A
4 months	0	0.0	0	0.0		0	0.0	
5 months	1	0.5	0	0.0		0	0.0	
6 months	69	32.1	94	41.2	0.046	87	36.6	0.301
7 months	36	16.7	47	20.6	N/A	59	24.8	N/A
8 months	27	12.6	13	5.7		13	5.5	
9 months	18	8.4	66	28.9		59	24.8	
≥ 10 months	50	23.3	8	3.5		20	8.4	
Don't know	7	3.3	0	0.0		0	0.0	

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
Respondent knows the correct timing for complementary feeding (6 months).	N=215		N=228			N=238		
No	146	67.9	134	58.8	0.046	151	63.4	0.301
Yes	69	32.1	94	41.2		87	36.6	
How strongly do you agree or disagree that starting feeding children soft, semi-solid foods at 6 months is important for the health of the mother and/or child.	N=235		N=234			N=238		
Strongly disagree	15	6.4	5	2.1	N/A	16	6.7	N/A
Disagree	27	11.5	25	10.7	N/A	58	24.4	N/A
Agree	158	67.2	127	54.3	N/A	120	50.4	N/A
Strongly agree	35	14.9	77	32.9	0.000	44	18.5	0.000
Don't know	0	0.0	0	0.0	N/A	0	0.0	N/A
Agree + Strongly agree	193	82.1	204	87.2	0.129	164	68.9	0.000
How strongly do you agree or disagree that feeding children over six months old a diverse diet is important for the health of the mother and/or child.	N=234		N=234			N=238		
Strongly disagree	31	13.2	18	7.7	N/A	9	3.8	N/A
Disagree	35	15.0	26	11.1	N/A	45	18.9	N/A
Agree	140	59.8	120	51.3	N/A	124	52.1	N/A
Strongly agree	20	8.5	70	29.9	0.000	58	24.4	0.175
Don't know	8	3.4	0	0.0	N/A	2	0.8	N/A
Agree + Strongly agree	160	68.4	190	81.2	0.001	182	76.5	0.209

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
How strongly do you agree or disagree that waiting until a child is one year old to introduce animal protein is important for the health of the mother and/or child?	N=235		N=233			N=238		
Strongly disagree	8	3.4	39	16.7	N/A	24	10.1	N/A
Disagree	45	19.1	81	34.8	N/A	85	35.7	N/A
Agree	136	57.9	65	27.9	N/A	79	33.2	N/A
Strongly agree	42	17.9	48	20.6	0.000	49	20.6	0.034
Don't know	4	1.7	0	0.0	N/A	1	0.4	N/A
Disagree + Strongly disagree	53	22.6	120	51.5	0.000	109	45.8	0.216

Table 59. Community volunteer attitudes about WASH practices

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
How strongly do you agree or disagree that washing hands with soap before eating is important for the health of the mother and/or child?	N=233		N=234			N=238		
Strongly disagree	0	0.0	1	0.4	N/A	2	0.8	N/A
Disagree	4	1.7	0	0.0	N/A	2	0.8	N/A
Agree	168	72.1	81	34.6	N/A	62	26.1	N/A
Strongly agree	61	26.2	152	65.0	0.000	172	72.3	0.087
Don't know	0	0.0	0	0.0	N/A	0	0.0	N/A
Agree + Strongly agree	229	98.3	233	99.6	0.176	234	98.3	0.184

	Pre-Training		Post-Training		P Value (pre v post)	Endline		P Value (post v end)
	n	%	n	%		n	%	
How strongly do you agree or disagree that washing hands with soap before preparing food or cooking is important for the health of the mother and/or child?	N=235		N=234			N=238		
Strongly disagree	1	0.4	1	0.4	N/A	4	1.7	N/A
Disagree	4	1.7	0	0.0	N/A	0	0.0	N/A
Agree	170	72.3	86	36.8	N/A	66	27.7	N/A
Strongly agree	60	25.5	147	62.8	0.000	168	70.6	0.073
Don't know	0	0.0	0	0.0	N/A	0	0.0	N/A
Agree + Strongly agree	230	97.9	233	99.6	0.101	234	98.3	0.184
How strongly do you agree or disagree that washing hands with soap before feeding a child is important for the health of the mother and/or child?	N=236		N=234			N=238		
Strongly disagree	0	0.0	1	0.4	N/A	2	0.8	N/A
Disagree	3	1.3	0	0.0	N/A	0	0.0	N/A
Agree	166	70.3	77	32.9	N/A	64	26.9	N/A
Strongly agree	67	28.4	156	66.7	0.000	171	71.8	0.222
Don't know	0	0.0	0	0.0	N/A	1	0.4	N/A
Agree + Strongly agree	233	98.7	233	99.6	0.319	235	98.7	0.324
How strongly do you agree or disagree that keeping animals outside of the living area is important for the health of the mother and/or child?	N=234		N=234			N=238		
Strongly disagree	9	3.8	1	0.4	N/A	3	1.3	N/A
Disagree	7	3.0	3	1.3	N/A	4	1.7	N/A
Agree	169	72.2	78	33.3	N/A	76	31.9	N/A
Strongly agree	49	20.9	152	65	0.000	154	64.7	0.954
Don't know	0	0.0	0	0.0	N/A	1	0.4	N/A
Agree + Strongly agree	218	93.2	230	98.3	0.006	230	96.6	0.254

Table 60. Community volunteer knowledge of support groups (pre- and post-training only)

	Pre-Training		Post-Training	
	n	%	n	%
What is the main purpose of a support group?*	N=193		N=233	
Education/enlightenment/awareness	107	55.4	166	71.2
To help/assist others	30	15.5	18	7.7
Improved outcomes (development, progress, improved health, etc.)	18	9.3	53	22.7
Other	13	6.7	12	5.2
Don't know	26	13.5	0	0.0
What is the first thing a counselor should do before starting any meeting or counseling session?	N=233		N=231	
Greeting/introduction	140	62.8	169	73.2
Prayer	70	31.4	61	26.4
Statement of purpose/objective	21	9.4	18	7.8
Lecture/teach/advise	6	2.7	3	1.3
Other	6	2.7	10	4.3
Don't know	8	3.6	0	0.0
Can you tell me at least three things that make counseling effective?*	N=180		N=234	
Having good communication skills	20	11.1	44	18.8
Use of job aids	5	2.8	0	0.0
Giving practical advice	19	10.6	3	1.3
Being knowledgeable	15	8.3	1	0.4
Being patient	16	8.9	32	13.7
Good appearance, professional dress	7	3.9	14	6.0
Being polite and having a friendly demeanor	21	11.7	47	20.1
Being honest	9	5.0	3	1.3
Listening	8	4.4	11	4.7
Willingness to ask and answer participant questions	5	2.8	38	16.2
Being prepared	8	4.4	1	0.4
Greeting the client/introducing the topic	0	0.0	80	34.2
Seating arrangement	0	0.0	22	9.4
Show examples/put into practice/model behaviors	0	0.0	18	7.7
Assume same level as client	0	0.0	13	5.6
Other	84	46.7	118	50.4

	Pre-Training		Post-Training	
	n	%	n	%
Don't know	76	42.2	0	0.0

*The sum is greater than 100 percent because multiple responses were permitted.

Table 61. Community volunteer knowledge of support groups

	Pre-Training		Post-Training		P Value (post v end)	Endline		P Value (post v end)
	%	%	%	%		n	%	
What do you think is a good size (number of participants) in a support group?	N=223		N=235			N=238		
≤3	0	0.0	16	6.8	N/A	4	1.7	N/A
3–7	38	17.0	42	17.9		20	8.4	
8–12	65	29.1	155	66.0		183	76.9	
13–17	17	7.6	11	4.7		10	4.2	
18–22	42	18.8	2	0.9		8	3.4	
23–27	7	3.1	5	2.1		2	0.8	
≥28	22	9.9	2	0.9		10	4.2	
Don't know	32	14.3	2	0.9		1	0.4	
Respondent knows that the optimal size of a support group is 3 to 12 people.	N=223		N=235			N=238		
No	120	53.8	38	16.2	0.000	35	14.7	0.659
Yes	103	46.2	197	83.8		203	85.3	
How do you think seating should be arranged for a support group? In classroom style, circle, or some other way?	N=216		N=235			N=238		
Classroom style	145	67.1	35	14.9	N/A	47	19.7	N/A
Circle	63	29.2	199	84.7		189	79.4	
Other	4	1.9	1	0.4		2	0.8	
Don't know	4	1.9	0	0.0		0	0.0	

	Pre-Training		Post-Training		P Value (post v end)	Endline		P Value (post v end)
	%	%	%	%		n	%	
Respondent knows that a support group should be arranged in a circle.	N=216		N=235			N=238		
No	153	70.8	36	15.3	0.000	49	20.6	0.136
Yes	63	29.2	199	84.7		189	79.4	

Table 62. Community volunteer knowledge of communication

	Pre-Training		Post-Training		Endline	
	n	%	n	%	n	%
Can you name helpful ways of communicating without words (non-verbal communication)?	N=231		N=234		N=238	
Keep head level with client	24	10.4	27	11.5	83	34.9
Pay attention*	82	35.7	142	60.7	127	53.4
Remove barriers*	10	4.3	30	12.8	35	14.7
Take time, don't hurry*	24	10.4	43	18.4	34	14.3
Use appropriate touch*	39	17	55	23.5	57	23.9
Use positive body language/hand gestures**	11	4.6	35	14.8	106	44.5
Make eye contact/look in eyes	N/A	N/A	N/A	N/A	91	38.2
Other	30	13	12	5.1	9	3.8
Don't know	N/A	N/A	N/A	N/A	13	5.5

Note: Tests of statistical significance were not run given the open-ended nature of this question and the responses.

*Pre-test N=230.

**Pre-test N=237; Post-test N=237.

Table 63. Community volunteer confidence to implement the C-IYCF package (Endline Survey)

	n	%
How confident do you feel in your ability to conduct infant and young child feeding support group meetings?	N=226	
Very uncertain	0	0.0
Somewhat uncertain	0	0.0
Somewhat confident	32	14.2
Very confident	194	85.8
Don't know	0	0.0

	n	%
How confident do you feel in your ability to prepare infant and young child feeding program monitoring and reporting forms?	N=221	
Very uncertain	0	0.0
Somewhat uncertain	2	0.9
Somewhat confident	43	19.5
Very confident	176	79.6
Don't know	0	0.0

Table 64. Involvement in organizing and conducting C-IYCF community sensitization and mobilization events, by type of respondent (endline survey)

	n	%
Health workers	N=67	
No	7	10.4
Yes	60	89.6
Community leaders	N=92	
No	24	26.1
Yes	68	73.9
Community volunteer	N=238	
No	12	5.0
Yes	226	95.0

Table 65. Perceptions of C-IYCF community sensitization and mobilization events, by type of respondent (endline survey)

	n	%
What do you think about the quality of the infant and young child feeding community dialogues and sensitizations?		
Health Workers	N=60	
Very poor	0	0.0
Poor	0	0.0
Fair	0	0.0
Good	6	10.0
Very good	54	90.0
Don't know	0	0.0
Community Leaders	N=68	
Very poor	0	0.0
Poor	0	0.0

	n	%
Fair	0	0.0
Good	9	13.2
Very good	59	86.8
Don't know	0	0.0
Community Volunteers	N=226	
Very poor	0	0.0
Poor	0	0.0
Fair	0	0.0
Good	31	13.7
Very good	195	86.3
Don't know	0	0.0
How useful did you think those community dialogues and sensitizations were for implementing the infant and young child feeding?		
Health Workers	N=60	
Very useless	0	0.0
Somewhat useless	0	0.0
Somewhat useful	0	0.0
Very useful	60	100.0
Don't know	0	0.0
Community Leaders	N=68	
Very useless	0	0.0
Somewhat useless	0	0.0
Somewhat useful	3	4.4
Very useful	65	95.6
Don't know	0	0.0
Community Volunteers	N=226	
Very useless	0	0.0
Somewhat useless	0	0.0
Somewhat useful	9	4.0
Very useful	217	96.0
Don't know	0	0.0

Table 66(a). Health worker access to C-IYCF materials available (endline survey)

	n	%
	N=67	
Do you have and have you used the Infant and Young Child Feeding Participant Materials?		
Have	64	95.5
Have and have used	64	95.5
Do you have and have you used the Infant and Young Child Feeding Counselling Cards?		
Have	64	95.5
Have and have used	64	95.5
Do you have and have you used the Infant and Young Child Feeding Key Message Booklet?		
Have	64	95.5
Have and have used	64	95.5
Do you have and have you used the infant and young child feeding brochure, "How to Breastfeed Your Baby"?		
Have	65	97.0
Have and have used	65	97.0
Do you have and have you used the infant and young child feeding brochure, "How to Feed Your Baby After 6 Months"?		
Have	64	95.5
Have and have used	64	95.5
Do you have and have you used the infant and young child feeding brochure, "Nutrition During Pregnancy and Breastfeeding"?		
Have	64	95.5
Have and have used	64	95.5
Do you have and have you used the infant and young child feeding brochure, "Infant Feeding in the Context of HIV"?		
Have	59	88.1
Have and have used	57	85.1

Table 66(b). Community volunteer access to C-IYCF materials available (endline survey)

	n	%
	N=238	
Do you have and did you use the Infant and Young Child Feeding Program Participant Materials?		
Have	229	96.2
Have and have used	228	95.8

	n	%
Do you have and did you use the Infant and Young Child Feeding Program Facilitator's Guide?		
Have	226	
Have and have used	223	93.7
Do you have and have you used the Infant and Young Child Feeding Program Counselling Cards?		
Have	234	98.3
Have and have used	233	97.9
Do you have and have you used the Infant and Young Child Feeding Program Key Message Booklet?		
Have	237	99.6
Have and have used	236	99.2
Do you have and have you used the infant and young child feeding program key message brochure, "how to breastfeed your baby"?		
Have	236	99.2
Have and have used	233	97.9
Do you have and have you used the infant and young child feeding program key message brochure, "How to Feed Your Baby after 6 Months"?		
Have	236	99.2
Have and have used	235	98.7
Do you have and have you used the infant and young child feeding program key message brochure, "Nutrition During Pregnancy and Breastfeeding"?		
Have	235	98.7
Have and have used	234	98.3
Do you have and have you used the infant and young child feeding program key message brochure, "Infant Feeding in the Context of HIV"?		
Have	220	92.4
Have and have used	215	90.3

Table 67. Health worker involvement in C-IYCF support groups (endline survey)

	n	%
On average, how many infant and young child feeding support group meetings do you usually observe or attend each month?	N=67	
None	2	3.0
1–2	41	61.2
3–4	17	25.4
5–6	4	6.0

	n	%
≥7	3	4.5
Don't know/remember	0	0.0

Table 68. Community leader involvement in C-IYCF support groups (endline survey)

	n	%
N=92		
How many infant and young child feeding support group meetings have you attended over the last 18 months, since implementation of the C-IYCF package began in July 2015?		
None	13	14.1
1–3	25	27.2
4–6	19	20.7
≥7	35	38.0
Don't know/remember	0	0.0

Table 69. Community volunteer involvement in C-IYCF support groups (endline survey)

	n	%
N=226		
How many infant and young child feeding support group meetings do you usually conduct each month?		
1	175	77.4
2	40	17.7
3	8	3.5
4 or more	3	1.3

Table 70. Health worker perceptions of the quality of C-IYCF support group meetings (endline survey)

	n	%
N=41		
What do you think about the quality of the infant and young child feeding support group meetings that you observed?		
Very poor	0	0.0
Poor	0	0.0
Fair	1	2.4
Good	10	24.4
Very good	30	73.2
Don't know	0	0.0

	n	%
How useful do you think the infant and young child feeding support group meetings have been for promoting maternal, infant, and young child nutrition practices?	N=67	
Very useless	0	0.0
Somewhat useless	0	0.0
Somewhat useful	2	3.0
Very useful	64	95.5
Don't know	1	1.5
Over the past 18 months, about how many times have you encouraged clients to attend an infant and young child feeding support group or seek out a community volunteer?	N=67	
Never	2	3.0
1-5 times	11	16.4
6-10 times	10	14.9
11-15 times	15	22.4
16-20 times	7	10.4
21 or more times	22	32.8

Table 71. Community leader perceptions of C-IYCF support group meetings (endline survey)

	n	%
How useful do you think the infant and young child feeding support group meetings have been for promoting maternal, infant, and young child nutrition practices?	N=79	
Very useless	0	0.0
Somewhat useless	0	0.0
Somewhat useful	5	6.3
Very useful	74	93.7
Don't know	0	0.0
Over the past 18 months, about how many times have you encouraged community members to participate in C-IYCF activities, such as support groups, community dialogues, or home visits?	N=92	
Never	9	9.8
1-5 times	40	43.5
6-10 times	14	15.2
11-15 times	5	5.4
16-20 times	11	12.0
21 or more times	13	14.1

Table 72. Community volunteer perceptions of the usefulness of C-IYCF support group meeting for promoting maternal, infant, and young child nutrition practices (endline survey)

	n	%
How useful do you think the infant and young child feeding support group meetings have been for promoting maternal, infant, and young child nutrition practices?	N=226	
Very useless	0	0.0
Somewhat useless	0	0.0
Somewhat useful	12	5.3
Very useful	214	94.7
Don't know	0	0.0

Table 73. Perceptions of the usefulness of C-IYCF home visits for promoting optimal maternal, infant, and young child nutrition practices, by type of respondent (endline survey)

	n	%
Health Workers	N=67	
Very useless	0	0.0
Somewhat useless	0	0.0
Somewhat useful	1	1.5
Very useful	65	97.0
Don't know	1	1.5
Community Leaders	N=92	
Very useless	0	0.0
Somewhat useless	0	0.0
Somewhat useful	2	2.2
Very useful	84	91.3
Don't know	6	6.5
Community Volunteers	N=235	
Very useless	0	0.0
Somewhat useless	0	0.0
Somewhat useful	11	4.7
Very useful	224	95.3
Don't know	0	0.0

Table 74. Community volunteer involvement in conducting C-IYCF home visits (endline survey)

	n	%
Have you conducted infant and young child feeding home visits?	N=238	
No	3	1.3
Yes	235	98.7
Don't know	0	0.0

Table 75. Health worker experience promoting C-IYCF activities and health facility services (endline survey)

	n	%
Have you ever discussed the infant and young child feeding program during facility staff meetings or with other health facility staff?	N=67	
No	2	3.0
Yes	65	97.0
Over the past 18 months, about how many times have you encouraged clients to attend an infant and young child feeding support group or seek out a community volunteer?	N=67	
Never	2	3.0
1–5 times	11	16.4
6–10 times	10	14.9
11–15 times	15	22.4
16–20 times	7	10.4
≥ 21 or more times	22	32.8
Don't know/remember	0	0.0
During infant and young child feeding supervisions visits with community volunteers, do you usually refer mothers and children to the health facility?	N=65	
No	0	0.0
Yes	65	100.0
Don't know	0	0.0

Table 76. Community leader experience promoting C-IYCF activities and health facility services (endline survey)

	n	%
Over the past 18 months, about how many times have you encouraged community members to participate in C-IYCF activities such as support groups, community dialogues, or home visits?	N=92	
Never	9	9.8
1–5 times	40	43.5
6–10 times	14	15.2

	n	%
11–15 times	5	5.4
16–20 times	11	12.0
≥ 21 times	13	14.1
Don't know/remember	0	0.0
Over the past 18 months, about how many times have you encouraged community members to seek care at a health facility?	N=92	
Never	7	7.6
1–5 times	31	33.7
6–10 times	15	16.3
11–15 times	11	12
16–20 times	10	10.9
≥ 21 times	17	18.5
Don't know/remember	1	1.1

Table 77. Community volunteer experience promoting C-IYCF activities and health facility services (endline survey)

	n	%
Over the past 18 months, about how many times have you encouraged community members to seek care at a health facility?	N=238	
Never	7	2.9
1–5 times	99	41.6
6–10 times	37	15.5
11–15 times	31	13
16–20 times	25	10.5
≥ 21 times	38	16
Don't know/remember	1	0.4

Table 78. Health worker experience with C-IYCF monitoring (endline survey)

	n	%
Do you have and have you used the Infant and Young Child Feeding Monthly Summary Form for Health Facilities?	N=67	
Have	63	94.0
Have and have used	63	94.0

	n	%
Have you helped prepare infant and young child feeding monthly reports? These are the forms on which you report the number of supervision visits conducted and people reached by community volunteers through support group meetings and home visits.	N=67	
No	2	3.0
Yes	65	97.0
Have you reviewed infant and young child feeding monthly reports?	N=67	
No	3	4.5
Yes	64	95.5
How have you used the infant and young child feeding monthly reports?	N=59	
Did not use reports*	5	7.8
For general planning	28	47.5
For planning activities	29	49.2
For planning who to supervise	15	25.4
For planning home visits	18	30.5
For reporting	16	27.1
Used reports other way(s)	4	6.8
Used the C-IYCF monthly reports in at least one way.	N=64	
No	5	7.8
Yes	59	92.2
How useful have you found the infant and young child feeding monthly reports?	N=64	
Very useless	0	0.0
Somewhat useless	0	0.0
Somewhat useful	1	1.6
Very useful	63	98.4
Don't know	0	0.0

*N=64.

Table 79. Community volunteer experience with C-IYCF monitoring (endline survey)

	n	%
Do you have and have you used the Infant and Young Child Feeding Monitoring Forms for Community Volunteers?	N=238	
Have	231	97.1
Have and have used	229	96.2

	n	%
How useful do you think the C-IYCF monitoring and reporting forms have been for implementing the C-IYCF package and improving maternal, infant, and young child nutrition practices?	N=221	
Very useless	0	0.0
Somewhat useless	0	0.0
Somewhat useful	7	3.2
Very useful	213	96.4
Don't know	1	0.5
How have you used the infant and young child feeding program monitoring and reporting forms?	N=221	
Did not use forms	9	4.1
For planning	120	56.6
For planning meetings	96	45.3
For planning home visits	79	37.3
For reporting	91	42.9
Used in other ways	5	2.4
Don't know	4	1.8
Respondent used the C-IYCF monitoring and reporting forms in at least one way.	N=217	
No	9	4.1
Yes	208	95.9
How useful do you think the C-IYCF monitoring and reporting forms have been for implementing the C-IYCF package and improving maternal, infant, and young child nutrition practices?	N=221	
Very useless	0	0.0
Somewhat useless	0	0.0
Somewhat useful	7	3.2
Very useful	213	96.4
Don't know	1	0.5

*N=212

Table 80. Health worker experience with C-IYCF ward-level meetings (endline data)

	n	%
How many infant and young child feeding monthly review meetings have you attended at the ward level since the C-IYCF package began in July 2015?	N=67	
None	1	1.5
1–6 meetings	17	25.4

	n	%
7–12 meetings	15	22.4
13–18 meetings	33	49.3
Don't know	1	1.5
How useful did you find these ward-level monthly review meetings for improving the infant and young child feeding program?	N=66	
Very useless	0	0.0
Somewhat useless	0	0.0
Somewhat useful	5	7.6
Very useful	61	92.4
Don't know	0	0.0

Table 81. Community volunteer experience with C-IYCF ward-level meetings (endline data)

	n	%
How many infant and young child feeding monthly review meetings have you attended at the ward level since the C-IYCF package began in July 2015?	N=238	
None	9	3.8
1–6 meetings	90	37.8
7–12 meetings	30	12.6
13–18 meetings	77	32.4
> 18 meetings	31	13.0
Don't know	1	0.4
How useful did you find these ward-level monthly review meetings for improving the infant and young child feeding program?	N=229	
Very useless	0	0.0
Somewhat useless	0	0.0
Somewhat useful	9	3.9
Very useful	220	96.1
Don't know	0	0.0

Table 82. Health worker experience with C-IYCF LGA-level meetings (endline survey)

	n	%
How many infant and young child feeding monthly review meetings have you attended at the LGA level since implementation of the C-IYCF package began in July 2015?	N=67	
None	9	13.4
1–6 meetings	33	49.3

	n	%
7–12 meetings	8	11.9
13–18 meetings	16	23.9
Don't know	1	1.5
How useful do you think the monthly review meetings at the LGA level have been for improving the infant and young child feeding program?	N=58	
Very useless	0	0.0
Somewhat useless	0	0.0
Somewhat useful	2	3.4
Very useful	56	96.6
Don't know	0	0.0

Table 83. Health worker experience with support and supervision (endline survey)

	n	%
Over the past 18 months, about how many times were you visited by anyone from the UNICEF, SPRING, the State, LGA or a health facility to discuss the infant and young child feeding program?	N=67	
Never	1	1.5
1–5 times	24	35.8
6–10 times	17	25.4
11–15 times	8	11.9
16–20 times	9	13.4
≥ 21 times	6	9.0
Don't know/remember	2	3.0
Who conducted this/these visit(s)?*	N=66	
Health worker	26	39.4
LGA representative	36	54.5
State representative	37	56.1
SPRING	25	37.9
UNICEF	48	72.7
Other person/organization	1	1.5
How was feedback provided to you?	N=66	
No feedback given	13	19.7
Yes, written only	8	12.1
Yes, verbal only	37	56.1

	n	%
Yes, written and verbal	5	7.6
Don't know/remember	3	4.5
How useful do you think these visits have been for improving the infant and young child feeding program?	N=67	
Very useless	0	0.0
Somewhat useless	0	0.0
Somewhat useful	2	3.0
Very useful	64	95.5
Don't know	1	1.5
Do you feel that you were adequately prepared to implement the infant and young child feeding program?	N=67	
Very unprepared	1	1.5
Somewhat unprepared	0	0.0
Somewhat prepared	1	1.5
Very prepared	64	95.5
Don't know	1	1.5
Do you feel that you were adequately supported by the State, LGA, and/or health facilities to implement the infant and young child feeding program?	N=67	
Very unsupported	1	1.5
Somewhat unsupported	0	0.0
Somewhat supported	10	14.9
Very supported	55	82.1
Don't know	1	1.5
How satisfied or unsatisfied are you with the support you have received for implementing the infant and young child feeding program?	N=67	
Very dissatisfied	1	1.5
Dissatisfied	2	3.0
Satisfied	18	26.9
Very satisfied	45	67.2
Don't know	1	1.5
Who has been your primary or main source of support for implementing the infant and young child feeding program?*	N=67	
Not supported	0	0.0
Health worker	15	22.4
LGA Representative	26	38.8

	n	%
State Representative	27	40.3
SPRING	32	47.8
UNICEF	53	79.1
Other	1	1.5
Don't know	1	1.5

*The sum is greater than 100 percent because multiple responses were permitted.

Table 84. Community leader experience with support and supervision (endline survey)

	n	%
Do you feel that you were adequately prepared to implement the infant and young child feeding program?	N=92	
Very unprepared	1	1.1
Somewhat unprepared	4	4.3
Somewhat prepared	9	9.8
Very prepared	75	81.5
Don't know	3	3.3
Do you feel that you were adequately supported by the State, LGA, and/or health facilities to implement the infant and young child feeding program?	N=92	
Very unsupported	0	0.0
Somewhat unsupported	6	6.5
Somewhat supported	21	22.8
Very supported	60	65.2
Don't know	5	5.4
How satisfied or unsatisfied are you with the support you have received for implementing the infant and young child feeding program?	N=92	
Very dissatisfied	0	0.0
Dissatisfied	4	4.3
Satisfied	35	38.0
Very satisfied	50	54.3
Don't know	3	3.3
Who has been your primary or main source of support for implementing the infant and young child feeding program?	N=92	
Not supported	2	2.2
Health worker	29	31.5
LGA representative	7	7.6
State representative	2	2.2

	n	%
SPRING	1	1.1
UNICEF	47	51.1
Other	1	1.1
Don't know	3	3.3

Table 85. Health worker experience supervising community volunteers

	Pre-Training		Endline		P Value (pre v end)
	n	%	n	%	
Have you ever supervised community volunteers?	N=51		N=67		
No	27	52.9	2	3.0	
Yes	24	47.1	65	97.0	

Table 86. Health worker experience supervising C-IYCF community volunteers (endline survey)

	n	%
Among those who have supervised a C-IYCF community volunteer, number of supervision visits usually conducts each month	N=65	
1–2	39	60
3–4	20	30.8
5–6	5	7.7
≥ 7	1	1.5
Don't know/remember	0	0.0
Among those who have supervised a C-IYCF community volunteer, number of C-IYCF community volunteers currently supervised	N=65	
1	3	4.6
2	21	32.3
3	11	16.9
4	13	20.0
5	5	7.7
6	6	9.2
≥ 7	6	9.2
Among those who have supervised a C-IYCF community volunteer, has guidelines for supervising C-IYCF community volunteers	N=65	
No	2	3.1
Yes	63	96.9

	n	%
Among those who have supervised a C-IYCF community volunteer, what do you usually do during infant and young child feeding supervision visits?	N=65	
Observe a support group meeting	64	98.5
Demonstrate how to facilitate a support group meeting	65	100.0
Observe a home visit	57	87.7
Demonstrate how to conduct a home visit	64	98.5
Answer mothers'/caregivers' questions	65	100.0
Answer community volunteers' questions	64	98.5
Point out what the volunteer has done wrong	62	95.4
Point out what the volunteer has done right	65	100.0
Discuss the community volunteers' challenges	64	98.5
Collect monitoring forms	62	95.4
Identify malnourished mothers or children	64	98.5
Don't know	0	0.0
Refer mothers and children to the health facility	65	100.0
How useful do you think the supervision visits have been for improving community volunteers' efforts?	N=67	
Very useless	0	0.0
Somewhat useless	0	0.0
Somewhat useful	0	0.0
Very useful	66	98.5
Don't know	1	1.5

Table 87. Community volunteer experience with support and supervision (endline survey)

	n	%
Over the past 18 months, about how many times were you visited by anyone from UNICEF, SPRING, the State, LGA or a health facility to discuss the infant and young child feeding program?	N=238	
Never	36	15.1
1–5 times	139	58.4
6–10 times	30	12.6
11–15 times	11	4.6
16–20 times	14	5.9
≥ 21 times	7	2.9
Don't know/remember	1	0.4

	n	%
Who conducted this/these visit(s)?	N=202	
Health worker	140	69.3
LGA representative	45	22.3
State representative	29	14.4
SPRING	34	16.8
UNICEF	96	47.5
Other	0	0.0
Don't know	0	0.0
How was feedback provided to you?	N=202	
No feedback given	17	8.4
Yes, written only	22	10.9
Yes, verbal only	123	60.9
Yes, written and verbal	34	16.8
Don't know/remember	6	3.0
How useful do you think these visits have been for improving the infant and young child feeding program?	N=202	
Very useless	0	0.0
Somewhat useless	0	0.0
Somewhat useful	10	5.0
Very useful	192	95.0
Don't know	0	0.0
Do you feel that you were adequately prepared to implement the infant and young child feeding program?	N=238	
Very unprepared	0	0.0
Somewhat unprepared	0	0.0
Somewhat prepared	24	10.1
Very prepared	214	89.9
Don't know	0	0.0
How satisfied or unsatisfied are you with the support you received for implementing the infant and young child feeding program?	N=238	
Very dissatisfied	0	0.0
Dissatisfied	0	0.0
Satisfied	52	21.8
Very satisfied	186	78.2
Don't know	0	0.0

	n	%
Who has been your primary or main source of support for implementing the infant and young child feeding program?	N=238	
Health worker	115	48.3
LGA representative	13	5.5
State representative	3	1.3
SPRING	2	0.8
UNICEF	104	43.7
Other	0	0.0
Don't know	1	0.4

Table 88. Health worker time spent on implementation (endline survey)

	n	%
About how much time did you spend recruiting or selecting community volunteers?	N=54	
None	1	1.9
1–4 hours	41	75.9
5–8 hours	5	9.3
9–12 hours	1	1.9
13–16 hours	1	1.9
More than 16 hours	5	9.3
Don't know/remember	0	0.0
About how much time did you spend assisting with trainings of infant and young child feeding community volunteers?	N=57	
None	0	0.0
1–4 hours	40	70.2
5–8 hours	9	15.8
9–12 hours	2	3.5
13–16 hours	2	3.5
More than 16 hours	4	7.0
Don't know/remember	0	0.0
About how much time do you usually spend each month supervising infant and young child feeding community volunteers? This includes time to travel to, wait for, observe, and/or discuss with infant and young child feeding community volunteers.	N=65	
None	0	0.0
1–4 hours	53	81.5
5–8 hours	8	12.3

	n	%
9–12 hours	0	0.0
13–16 hours	2	3.5
More than 16 hours	2	3.1
Don't know/remember	0	0.0

Table 89. Community leader time spent on implementation (endline survey)

	n	%
About how much time did you spend recruiting or selecting community volunteers?	N=61	
None	1	1.6
1–4 hours	49	80.3
5–8 hours	7	11.5
9–12 hours	2	3.3
13–16 hours	0	0.0
> 16 hours	2	3.3
Don't know/remember	0	0.0
Over the past 18 months, since implementation of the C-IYCF package began, about how much time did you spend planning or conducting community dialogues and sensitizations for the infant and young child feeding program? This is when UNICEF, the State, and the LGA brought community leaders and members together to discuss implementation of the C-IYCF package.	N=68	
None	1	1.5
1–4 hours	49	72.1
5–8 hours	8	11.8
9–12 hours	1	1.5
13–16 hours	2	2.9
> 16 hours	7	10.3
Don't know/remember	0	0.0

Table 90. Community volunteer time spent on implementation (endline survey)

	n	%
Over the past 18 months, since implementation of the C-IYCF package began, about how much time did you spend planning or conducting community dialogues and sensitizations for the infant and young child feeding program? This is different from your monthly support group meetings, review meetings, or home visits. This is when UNICEF, the State, and the LGA brought community leaders and members together to discuss implementation of the C-IYCF package.	N=226	
None	3	1.3
1–4 hours	186	82.3
5–8 hours	13	5.8
9–12 hours	7	3.1
13–16 hours	5	2.2
> 16 hours	12	5.3
Don't know/remember	0	0.0
About how much time do you usually spend each month traveling to, organizing, and conducting infant and young child feeding support group meetings?	N=226	
None	4	1.8
1–4 hours	194	85.8
5–8 hours	19	8.4
9–12 hours	6	2.7
13–16 hours	2	0.9
> 16 hours	1	0.4
Don't know/remember	0	0.0
About how much time do you usually spend each month traveling to, organizing, and conducting infant and young child feeding home visits?	N=235	
None	6	2.6
1–4 hours	200	85.1
5–8 hours	22	9.4
9–12 hours	4	1.7
13–16 hours	1	0.4
> 16 hours	2	0.9
Don't know/remember	0	0.0
About how much time do you usually spend each month preparing infant and young child feeding program monitoring and reporting forms? This is time spent after a support group meeting or home visit to prepare your monthly report.	N=221	
None	8	3.6
1–4 hours	200	90.5

	n	%
5–8 hours	9	4.1
9–12 hours	2	0.9
13–16 hours	0	0.0
> 16 hours	1	0.5
Don't know/remember	1	0.5
About how much time do you usually spend each month travelling and attending infant and young child feeding program monthly review meetings?	N=229	
None	5	2.2
1–4 hours	185	80.8
5–8 hours	29	12.7
9–12 hours	1	0.4
13–16 hours	3	1.3
> 16 hours	4	1.7
Don't know/remember	2	0.9

Table 91. Overall usefulness of the C-IYCF package in improving maternal, infant, and young child nutrition practices, by type of respondent (endline survey)

	n	%
Health Workers	N=67	
Very useless	0	0.0
Somewhat useless	0	0.0
Somewhat useful	0	0.0
Very useful	66	98.5
Don't know	1	1.5
Community Leaders	N=92	
Very useless	0	0.0
Somewhat useless	0	0.0
Somewhat useful	5	5.4
Very useful	84	91.3
Don't know	3	3.3
Community Volunteers	N=238	
Very useless	0	0.0
Somewhat useless	0	0.0
Somewhat useful	7	2.9

	n	%
Very useful	231	97.1
Don't know	0	0.0

Table 92. Challenges implementing the C-IYCF Package, by type of respondent (endline survey)

	n	%
Health Workers	N=67	
Any challenge	64	95.5
Lack of funding	45	67.2
Lack of time	24	35.8
Lack of trained health facility staff	28	41.8
Inconvenient day and/or time	34	50.7
Far distance	36	53.7
Lack of transportation	--	--
Insecurity or danger	37	55.2
Poor access to houses or communities	29	43.3
Inadequate training	--	--
Poor attendance/engagement/motivation of community volunteers	20	29.9
Community volunteers were uncertain about their role or how to do the work	18	26.9
Unclear role and responsibilities	17	25.4
Lack of tools, forms, or job aids	15	22.4
Community members expecting or wanting incentives	48	71.6
Lack of participation by community members	18	26.9
Lack of support for the C-IYCF package	20	29.9
Lack of support for maternal, infant, and young child nutrition	23	34.3
Community Leaders	N=92	
Any challenge	41	44.6
Lack of funding	37	40.2
Lack of time	16	17.4
Lack of trained health facility staff	--	--
Inconvenient day and/or time	--	--
Far distance	25	27.2
Lack of transportation	30	32.6
Insecurity or danger	23	25.0
Poor access to houses or communities	23	25.0

	n	%
Inadequate training	20	21.7
Poor attendance/engagement/motivation of community volunteers	--	--
Community volunteers were uncertain about their role or how to do the work	--	--
Unclear role and responsibilities	18	19.6
Lack of tools, forms, or job aids	27	29.3
Community members expecting or wanting incentives	30	32.6
Lack of participation by community members	22	23.9
Lack of support for the C-IYCF package	16	17.4
Lack of support for maternal, infant, and young child nutrition	18	19.6
Community Volunteers	N=238	
Any challenge	131	55.0
Lack of funding	94	39.5
Lack of time	43	18.1
Lack of trained health facility staff	--	--
Inconvenient day and/or time	--	--
Far distance	46	19.3
Lack of transportation	59	24.8
Insecurity or danger	33	13.9
Poor access to houses or communities	37	15.5
Inadequate training	30	12.6
Poor attendance/engagement/motivation of community volunteers	--	--
Community volunteers were uncertain about their role or how to do the work	--	--
Unclear role and responsibilities	24	10.1
Lack of tools, forms, or job aids	35	14.7
Community members expecting or wanting incentives	92	38.7
Lack of participation by community members	48	20.2
Lack of support for the C-IYCF package	35	14.7
Lack of support for maternal, infant, and young child nutrition	29	12.2

Table 93. Suggestions for improving implementation of the C-IYCF package, by type of respondent (endline survey)

	n	%
Health Workers	N=67	
Nothing	1	1.5
More funding	48	71.6
More support	46	68.7
More staff	26	38.8
More training	40	59.7
More tools	21	31.3
More supervision	19	28.4
Something else	4	6.0
Don't know	1	1.5
Community Leaders	N=92	
Nothing	3	3.3
More funding	57	62.0
More support	62	67.4
More staff	36	39.1
More training	52	56.5
More tools	29	31.5
More supervision	26	28.3
Something else	9	9.8
Don't know	2	2.2
Community Volunteers	N=238	
Nothing	6	2.5
More funding	161	67.6
More support	155	65.1
More staff	73	30.7
More training	103	43.3
More tools	51	21.4
More supervision	60	25.2
Something else	18	7.6
Don't know	3	1.3



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