

1. BASELINE CHARACTERISTICS

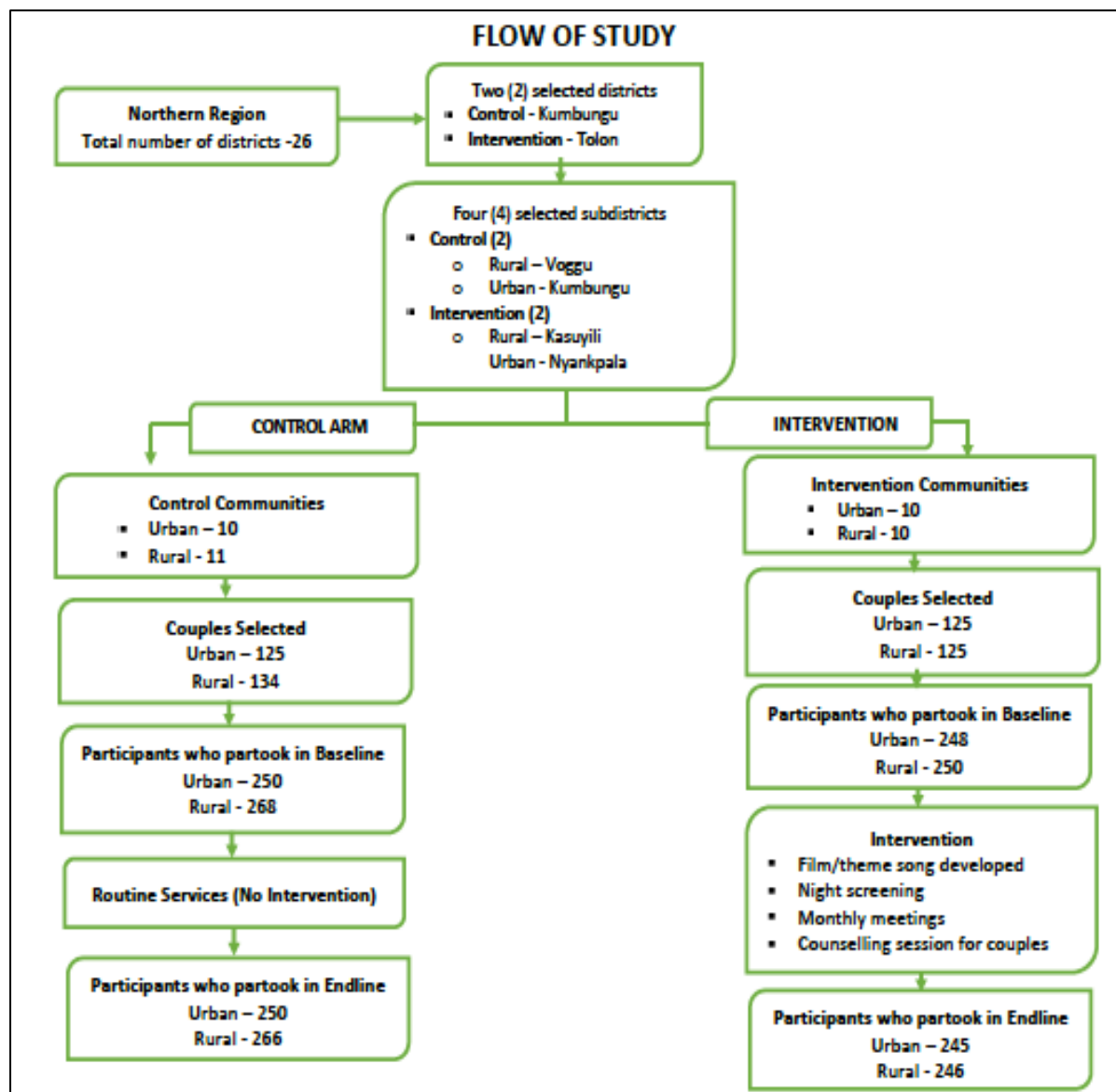
Table 1: Background Characteristics of Males at Baseline by Study Arm

Variable	Study Arm		Total	T-test/ Chi-square * (p-value)
	Control [N=259]	Intervention [N=249]	Total [N=508]	
Mean age (SD)	39.4 (±8.1)	39.5 (±8.0)	39.4 (±8.0)	0.901
Age (years)				
<30	17 (6.6)	17 (6.8)	34 (6.7)	
30-39	115 (44.4)	122 (49.0)	237 (46.7)	
40-49	89 (34.4)	75 (30.1)	164 (32.3)	
50+	38 (14.7)	35 (14.1)	73 (14.4)	1.33 (0.722)
Religion				
Christian	1 (0.4)	7 (2.8)	8 (1.6)	
Muslim	258 (99.6)	239 (96.0)	497 (97.8)	
Traditionalists	0 (0.0)	3 (1.2)	3 (0.6)	8.03 (0.018)
Marriage Type				
Co-Habit	0 (0.0)	2 (0.8)	2 (0.4)	
Married	259 (100.0)	247 (99.2)	506 (99.6)	2.08 (0.148)
Level of Education				
None	168 (64.9)	181 (72.7)	349 (68.7)	
Basic	50 (19.3)	29 (11.6)	79 (15.6)	
JHS/middle school	17 (6.6)	12 (4.8)	29 (5.7)	
SHS/Technical/Vocational	18 (6.9)	16 (6.4)	34 (6.7)	
Tertiary	6 (2.3)	11 (4.4)	17 (3.3)	8.32 (0.080)
Occupation				
None	2 (0.8)	2 (0.8)	4 (0.8)	
Farmers	235 (90.7)	229 (92.0)	464 (91.3)	
Traders/Artisans	10 (3.9)	9 (3.6)	19 (3.7)	
Gov/Non-Gov Salaried Workers	12 (4.6)	9 (3.6)	21 (4.1)	0.36 (0.948)
Length of Marriage (Years)				
> 5	12 (4.6)	8 (3.2)	20 (3.9)	
6-10	77 (29.7)	73 (29.3)	150 (29.5)	
10-20	59 (22.8)	42 (16.9)	101 (19.9)	
<20	111 (42.9)	126 (50.6)	237 (46.7)	4.52 (0.210)
Type of Marriage				
Monogamous	129 (49.8)	164 (65.9)	293 (57.7)	
Polygamous	130 (50.2)	85 (34.1)	215 (42.3)	13.40 (<0.001)
Location				
Rural	135 (52.1)	125 (50.2)	260 (51.2)	
Urban	124 (47.9)	124 (49.8)	248 (48.8)	0.19 (0.665)
SES				
Lowest	39 (15.1)	72 (28.9)	111 (21.9)	
Second	36 (13.9)	67 (26.9)	103 (20.3)	
Middle	47 (18.1)	47 (18.9)	94 (18.5)	
Fourth	61 (23.6)	34 (13.7)	95 (18.7)	
Highest	76 (29.3)	29 (11.6)	105 (20.7)	47.67 (<0.001)
Number of Children this Wife				
Mean (SD) of children	3.8 (±1.6)	4.0 (±1.7)	3.9 (±1.6)	0.070
< 5	220 (84.9)	201 (80.7)	421 (82.8)	
>5	39 (15.1)	48 (19.3)	87 (17.1)	1.59 (0.207)

Table 2: Background Characteristics of Females at Baseline by Study Arm

Variable	Study Arm		Total (%)	Chi-square* (p-value)
	Control [N=259]	Intervention [N=249]	Total [N=508]	
Age (years)				
Mean age (SD)	31.9(± 6.5)	32.7 ±7.0	32.3 (±6.8)	0.178
<30	105 (40.5)	95 (38.2)	200 (39.4)	
30-39	112 (43.2)	105 (42.2)	217 (42.7)	
40-49	42 (16.2)	49 (19.7)	91 (17.9)	1.07 (0.586)
Type of Union				
Co-Habit	0 (0.0)	2 (0.8)	2 (0.4)	
Married	259 (100.0)	247 (99.2)	506 (99.6)	2.09 (0.148)
Religion				
Christian	3 (1.2)	12 (4.8)	15 (3.0)	
Muslim	256 (98.8)	237 (95.2)	493 (97.0)	
Traditional	0 (0.0)	0 (0.0)	0 (0.0)	5.93 (0.015)
Level of Education				
None	222 (85.7)	229 (92.0)	451 (88.8)	
Basic	26 (10.0)	10 (4.0)	36 (7.1)	
JHS/middle school	6 (2.3)	6 (2.4)	12 (2.4)	
SHS/Technical/ Vocational	4 (1.5)	2 (0.8)	6 (1.8)	
Tertiary	1 (0.4)	2 (0.8)	3 (0.6)	8.03 (0.091)
Occupation				
None	63 (24.3)	72 (28.9)	135 (26.6)	
Farmer	133 (51.4)	140 (56.2)	273 (53.7)	
Trader/Artisan	60 (23.2)	34 (13.7)	94 (18.5)	
Gov/Non-Gov Salaried Worker	3 (1.2)	3 (1.2)	6 (1.8)	7.77 (0.051)
Length of Marriage (Years)				
> 5	19 (7.3)	14 (5.6)	33 (6.5)	
5-10	86 (33.2)	78 (31.3)	164 (32.3)	
10-20	62 (23.9)	59 (23.7)	121 (23.8)	
<20	92 (35.5)	98 (39.4)	190 (37.4)	1.22 (0.749)
Type of Marriage				
Monogamous	130 (50.2)	157 (63.1)	287 (56.5)	
Polygamous	129 (49.8)	92 (36.9)	221 (43.5)	8.54 (0.003)
Position of Wife				
First	79 (61.2)	54 (58.7)	133 (60.2)	
Second	40 (31.0)	35 (38.0)	75 (33.9)	
Third or more	10 (7.8)	3 (3.3)	13 (5.9)	2.68 (0.262)
Location				
Rural	135 (52.1)	125 (50.2)	260 (51.2)	
Urban	124 (47.9)	124 (49.8)	248 (48.8)	0.19 (0.665)
SES				
Lowest	39 (15.1)	100 (40.2)	139 (27.4)	
Second	47 (18.1)	69 (27.7)	116 (22.8)	
Middle	51 (19.7)	46 (18.5)	97 (19.1)	
Fourth	44 (17.0)	18 (7.2)	62 (12.2)	
Highest	78 (30.1)	16 (6.4)	94 (18.5)	76.74 (<0.001)
Number of Children with Husband				
Mean (SD) of children	3.9 (±1.5)	3.9 (±1.7)	3.9 (±1.6)	0.213
< 5	217 (83.8)	204 (81.9)	421 (82.9)	
>5	42 (16.2)	45 (18.1)	87 (17.1)	0.31 (0.579)

2. PARTICIPANT FLOW



Tables 3: Association between outcomes and contraceptives use at baseline (men)

Outcome Variables	Uptake		COR ¹ (95% CI) p-value	AOR ² (95% CI) p-value	Qualitative Data to Support
	Non-use	Use			
Intention to use fp					
No intention to use	171 (41.3)	14 (14.9)	Ref.	Ref.	
Intention to us fp	243 (58.7)	80 (85.1)	4.02 (2.21, 7.33) <0.001	1.84 (0.84, 4.03) 0.126	
Attitude					
Poor	221 (53.4)	17 (18.1)	Ref.	Ref.	
Good	193 (46.6)	77 (81.9)	5.19 (2.96, 9.08) <0.001	1.20 (0.52, 2.80) 0.666	
Subjective Norms					
Low	296 (71.5)	8 (8.5)	Ref.	Ref.	
High	118 (28.5)	86 (91.5)	26.97 (12.67, 57.39) <0.001	10.73 (4.46, 25.82) <0.001	
Perceived Behavioural Control					
Low	228 (55.1)	8 (8.5)	Ref.	Ref.	
High	186 (44.9)	86 (91.5)	13.18 (6.23, 27.89) <0.001	2.05 (0.80, 5.29) 0.136	
Stigma Enacted					<p>Enacted Stigma: <i>To me as a person, I have come to see that some people fear the words of their fellow colleagues, that people will be criticizing what they will agree to the services of family planning. Man: Urban Men-Users: FGD</i></p>
Low	169 (40.8)	46 (48.9)	Ref.	Ref.	
High	245 (59.2)	48 (51.1)	0.72 (0.46, 1.13) 0.152	3.76 (1.41, 10.02) 0.008	
Self-Stigma					<p>Self Stigma. "There was a time I was seated somewhere and someone came and asked me about how to use contraceptive? Responded that he could take his wife to the hospital for them to attend to her. But he exclaimed "oyi!", I cannot do that because people will get to know about it. Man; Men Non-Users: FGD</p> <ul style="list-style-type: none"> • "Truly there are some people that feel shy". Man: FGD- Men Non-Users
Low	115 (27.8)	48 (51.1)	Ref.	Ref.	
High	299 (72.2)	46 (48.9)	0.37 (0.23, 0.58) <0.001	0.49 (0.19, 1.22) 0.126	

Stigma from Close Births: “I watch my friends who practice it and their lives are different and when I look at mine who give birth to children without spacing them, I look like a frustrated person and they hurl insults on you” ***TBA***
Interview of Wife of User: RAP

Communication on Family Planning					
Low	349 (84.3)	26 (27.7)	Ref.	Ref.	
High	65 (15.7)	68 (72.3)	14.04 (8.32, 23.71) <0.001	7.69 (3.39, 17.40) <0.001	
Communication on next child					
Low	316 (76.3)	42 (44.7)	Ref.	Ref.	
High	98 (23.7)	52 (55.3)	3.99 (2.51, 6.36) <0.001	0.63 (0.24, 1.63)	0.341
Communication on children wanted					
Low	357 (86.2)	48 (51.1)	Ref.	Ref.	
High	57 (13.8)	46 (48.9)	6.00 (3.67, 9.81) <0.001	1.66 (0.73, 3.77)	0.230

Tables 4: Association between outcomes and contraceptives use at baseline (women)

Outcome Variable	Uptake		COR ¹ (95% CI) p-value	AOR ² (95% CI) p-value	Qualitative Data to Support
	Non-use	use			
Intention to use fp					
No intention to use	202 (53.6)	18 (13.7)	Ref.	Ref.	
Intention to us fp	175 (46.4)	113 (86.3)	7.25 (4.24, 12.40) <0.001	8.68 (3.80, 19.83) <0.001	
Attitude					
Poor	168 (44.6)	19 (14.5)	Ref.	Ref.	
Good	209 (55.4)	112 (85.5)	4.74 (2.80, 8.03) <0.001	0.65 (0.29, 1.45) 0.293	
Subjective Norms					
Low	242 (64.2)	42 (32.1)	Ref.	Ref.	
High	135 (35.8)	89 (67.9)	3.80 (2.49, 5.80) <0.001	1.17 (0.61, 2.25) 0.641	
Perceived Behavioural Control					
Low	183 (48.7)	20 (15.3)	Ref.	Ref.	
High	193 (51.3)	111 (84.7)	5.26 (3.14, 8.83) <0.001	3.00 (1.49, 6.06) 0.002	
Stigma Enacted					
Low	200 (53.1)	90 (68.7)	Ref.	Ref.	
High	177 (46.9)	41 (31.3)	1.94(1.28, 2.96) 0.002	8.53 (4.56, 16.00) <0.001	
Self-Stigma					
Low	178 (47.2)	64 (48.9)	Ref.		Self-Stigma "When the others get to know that they have done,.....or they will be talking about it... 'That she has gone to do family planning'. Midwife: KII
High	199 (52.8)	67 (51.1)	0.94 (0.63, 1.39) 0.746		
Communication on Family Planning					
Low	331 (87.8)	61 (46.6)	Ref.	Ref.	
High	46 (12.2)	70 (53.4)	8.26 (5.20, 13.10) <0.001	10.61 (5.14, 21.90) <0.001	
Communication on next child					
Low	315 (83.6)	91 (69.5)	Ref.	Ref.	
High	62 (16.4)	40 (30.5)	2.23 (1.41, 3.54) 0.001	0.82 (0.37, 1.84) 0.638	
Communication on children wanted					
Low	296 (78.5)	90 (68.7)	Ref.	Ref.	
High	81 (21.5)	41 (31.3)	1.66 (1.07, 2.59) 0.024	0.53 (0.24, 1.15) 0.108	

Table 5: Baseline and Endline Adjusted differences by Behavioural Outcomes Men

Outcome Variable	Control		Intervention		Crude Difference in Difference: (z)% (95% CI) p-value	Adjusted Difference in Difference % (95% CI) p-value
	Baseline %	End line %	Baseline %	Endline %		
Current Use of Contraception (model 1)	16.9	17.8	20.0	35.7	14.7 (4.5,24.9) 0.005	-8.5 (-18.1, 0.9) 0.079
Current Use of Contraception (Model 2 without behavioural outcomes)	16.9	17.8	20.0	35.7	14.7 (4.5,24.9) 0.005	18.4 (3.5, 23.2) 0.008
Attitude	54.1	58.1	52.2	90.1	33.9 (22.6, 45.1) <0.001	33.6 (22.5, 44.8) <0.001
Subjective Norms	43.2	59.7	36.9	95.9	42.5 (31.8, 53.2) <0.001	40.8 (30.0, 51.5) <0.001
Perceived Behavioural Control	58.3	70.5	48.6	80.7	19.9 (8.5, 31.3) 0.001	17.1 (6.2, 28.1) p=0.002
Intention to Use	69.1	62.4	57.8	94.3	43.1 (32.5, 53.8) <0.001	42.3 (31.8, 52.8) <0.001
Stigma Enacted	60.2	87.6	55.0	59.0	-23.4 (-34.7, -12.0) <0.001	-22.4 (-33.6, -11.2) <0.001
Self-Stigma	69.9	84.5	65.9	31.1	-49.3 (-60.3, -38.4) <0.001	-47.9 (-58.7, -37.2) <0.001
Communication on Family Planning	20.5	13.6	32.1	57.4	32.1 (21.4, 42.8) <0.001	30.3 (19.7, 40.8) <0.001
Communication on next child	20.5	4.3	38.9	47.5	24.8 (14.4, 35.1) <0.001	24.9 (14.8, 35.1) <0.001
Communication on children wanted	14.7	4.7	26.1	44.3	28.2 (18.6, 37.8) <0.001	26.1 (16.6, 35.5) <0.001

Table 6: Baseline and Endline Adjusted differences by Behavioural Outcomes for Women

Outcome Variable	Control		Intervention		Crude Difference in Difference (95% CI) p-value	Adjusted Difference in Difference; (95% CI) p-value
	Baseline %	Endline %	Baseline %	Endline %		
Current Use of Contraception	22.8	8.9	28.9	30.4	15.3 (51.4, 25.5) 0.003	-9.7 (-19.8, 0.37) p= 0.059
Current Use of Contraception (Model 2 without behavioural outcomes)	22.8	8.9	28.9	30.4	15.3 (5.1, 25.5) 0.003	15.1(4.9, 25.3) p= 0.004
Attitude	64.5	67.4	61.8	89.9	25.1 (14.2,35.9) <0.001	24.7 (13.8, 35.6) <0.001
Subjective Norms	47.1	59.7	40.9	91.9	38.4 (27.3,49.4) <0.001	35.0 (23.8, 46.3) <0.001
Perceived Behavioural Control	61.6	75.3	58.2	92.3	20.4 (9.8, 31.0) <0.001	18.7 (7.8, 28.6) <0.001
Intention to Use	61.0	55.4	52.2	85.8	39.2 (27.8, 50.6) <0.001	38.7 (26.9, 50.3) <0.001
Stigma Enacted	45.9	43.0	68.7	51.4	-14.3 (-26.4, -2.2) 0.020	-9.5 (-21.7, 2.7) <0.001
Self-Stigma	42.5	51.6	62.7	37.2	-34.5 (-46.6, -22.4) <0.001	-30.1 (-43.2, -18.5) <0.001
Communication on Family Planning	27.0	5.8	18.5	57.9	60.6 (50.7,70.6) <0.001	57.8 (47.8, 67.8) <0.001
Communication on next child	27.0	10.0	12.9	53.4	57.5 (47.6, 67.5) <0.001	55.7 (45.6, 65.8) <0.001
Communication on children wanted	25.1	4.7	22.9	51.4	48.9 (38.9, 58.9) <0.001	47.6 (37.4, 57.7) <0.001

Table 7: Husbands' Dyadic Analysis Using APIM									
Outcome Variables	Baseline ¹	Endline ²	Difference ³	Crude Difference in Difference ⁴			Adjusted Difference in Difference ⁵		
				Estimate	95% CI	p-value	Estimate	95% CI	p-value
Attitude									
control	3.96	3.65	-0.31						
Intervention	3.90	4.34	0.44	0.76	(0.59, 0.92)	<0.001	0.83	(0.66, 1.00)	<0.001
Intention to Use									
control	3.86	3.71	-0.15						
Intervention	3.73	4.27	0.54	0.70	(0.52, 0.88)	<0.001	0.66	(0.49, 0.84)	<0.001
Subjective norms									
control	3.34	3.60	0.25						
Intervention	3.23	4.28	1.05	0.83	(0.65, 1.00)	<0.001	0.99	(0.80, 1.17)	<0.001
Perceived Behavioural Control									
control	3.76	3.95	0.19						
Intervention	3.65	4.34	0.69	0.50	(0.35, 0.66)	<0.001	0.68	(0.52, 0.83)	<0.001
Stigma									
control	2.13	1.90	-0.24						
Intervention	2.24	1.63	-0.62	-0.39	(-0.51, -0.27)	<0.001	-0.34	(-0.48, -0.21)	<0.001

Factors	Baseline	Endline	Difference	Crude Difference in Differences			Adjusted Difference in Difference		
	%	%	%	<i>Estimate</i>	<i>95% CI</i>	<i>p-value</i>	<i>Estimate</i>	<i>95% CI</i>	<i>p-value</i>
FP Uptake									
control	16.99	17.7	0.77						
Intervention	19.8	35.95	16.12	15.34	(0.0521, 0.2556)	0.003	0.142083	(0.0453, 0.2309)	0.002

¹Mean of means score (MMS) point estimate at baseline

² Mean of means score (MMS) point estimate at endline

³Difference of between MMS point estimates; a subtraction of baseline from endline figures

⁴Crude difference-in-differences derived from linear regression of outcome variables; CI and p-value from this analysis

⁵Adjusts difference-in-differences controlled for male and female co-variates

Table 8: Wives’ Dyadic Analysis Using APIM									
Outcome Variable	Baseline ¹	Endline ²	Difference ³	Crude Difference in Difference ³			Adjusted Difference in Difference ⁴		
				Estimate	95% CI	p-value	Estimate	95% CI	p-value
Attitude									
control	3.40	3.43	0.03						
Intervention	3.27	4.01	0.74	0.71	(0.54, 0.88)	<0.001	0.75	(0.59, 0.92)	<0.001
Intention to Use									
control	3.49	3.60	0.11						
Intervention	3.43	4.15	0.72	0.61	(0.45, 0.77)	<0.001	0.57	(0.40, 0.74)	<0.001
Subjective Norms									
control	3.22	2.35	-0.87						
Intervention	3.14	2.62	-0.52	0.36	(0.21, 0.51)	<0.001	0.31	(0.16, 0.47)	<0.001
Perceived Behavioural Control									
control	3.59	3.83	0.24						
Intervention	3.39	4.13	0.74	0.49	(0.34, 0.65)	<0.001	0.38	(0.22, 0.54)	<0.001
Stigma									
Control	2.86	2.35	-0.52						
Intervention	3.19	2.36	-0.82	-0.31	(-0.47, -0.14)	<0.001	-0.40	(-0.59, -0.21)	<0.001
Factors	Baseline	Endline	Difference	Crude Difference in Difference			Adjusted Difference in Difference		
	%	%	%	Estimate	95% CI	p-value	Estimate	95% CI	p-value
FP Uptake									
control	22.7	8.8	-13.90						
Intervention	28.5	30.99	2.48	16.38	(0.0616, 0.266)	0.002	16.40	(0.0741, 0.2514)	<0.001