

Supplementary Table 3: Crude associations of household characteristics with classification as ‘ideal family’ or ‘clean kitchen’ winner

Household characteristics		‘Ideal family’				‘Clean kitchen’			
		freq. (%)	Crude OR	95% CI	p-value	freq. (%)	Crude OR	95% CI	p-value
Attendance	Low	8 (7.7%)	Ref.			11 (10.6%)	Ref.		
	Medium	52 (26.7%)	4.0	1.8-8.9	<0.001	71 (36.4%)	6.5	3.0-13.8	<0.001
	High	436 (44.7%)	9.5	4.5-19.8	<0.001	567 (58.1%)	18.1	9.0-36.7	<0.001
Wealth (in quintiles)	Lowest	54 (19.1%)	0.3	0.2-0.5	<0.001	91 (32.2%)	0.3	0.2-0.5	<0.001
	Low	89 (34.9%)	0.8	0.6-1.2	0.56	124 (48.6%)	0.7	0.4-0.97	0.04
	Medium	100 (39.7%)	Ref.			139 (55.2%)	Ref.		
	High	130 (50.6%)	1.6	1.1-2.3	0.009	145 (56.4%)	1.1	0.7-1.6	0.74
	Highest	119 (54.8%)	1.9	1.3-2.8	0.001	147 (67.7%)	1.8	1.2-2.7	0.008
Religion	Muslim	310 (34.5%)	Ref.			415 (46.2%)	Ref.		
	Hindu	185 (49.6%)	1.9	1.4-2.5	<0.001	234 (62.7%)	2.6	1.8-3.8	<0.001
Household members	Up to 5	161 (36.1%)	Ref.			227 (50.9%)	Ref.		
	5-10	214 (36.6%)	1.0	0.7-1.3	0.84	291 (49.7%)	0.9	0.7-1.2	0.46
	More than 10	117 (50.2%)	1.8	1.3-2.5	<0.001	128 (54.9%)	1.3	0.9-1.9	0.1
Number of rooms in household	1	57 (24.1%)	Ref.			87 (36.7%)	Ref.		
	More than 1	420 (42.1%)	2.3	1.6-3.2	<0.001	540 (54.2%)	2.3	1.7-3.1	<0.001
Size of homestead land (in decimal*)	Up to 5	124 (29.6%)	Ref.			183 (43.7%)	Ref.		
	5.1 - 20	230 (42.4%)	1.7	1.3-2.3	<0.001	296 (54.5%)	1.6	1.2-2.1	0.002
	More than 20	123 (45.2%)	2.0	1.5-2.9	<0.001	148 (54.4%)	1.7	1.2-2.5	0.002
Size of agricultural land (in decimal*)	None	173 (33.3%)	Ref.			251 (48.3%)	Ref.		
	0.1-100	103 (36.3%)	1.1	0.8-1.5	0.5	136 (47.9%)	1.0	0.8-1.4	0.75
	More than 100	201 (46.7%)	1.8	1.4-2.4	0.001	240 (55.8%)	1.6	1.2-2.2	0.001

Total n= 1275; for some variables total n is smaller due to additional missing data: wealth and number of household members: n=1264, religion: n=1271, number of rooms in the household, size of homestead land and size of agricultural land: n=1234; OR: odds ratio from mixed effects logistic regression model adjusting for clustering by settlement, CI: 95% confidence interval; Ref: reference category. *A decimal is a unit of area used in Bangladesh equal to 40.5 m².

Supplementary Table 4: Crude associations of women characteristics with classification as ‘ideal family’ or ‘clean kitchen’ winner

Women characteristics		freq. (%)	‘Ideal family’			freq. (%)	‘Clean kitchen’		
			Crude OR	95% CI	p-value		Crude OR	95% CI	p-value
Education	None	40 (20.2%)	Ref.			64 (32.3%)	Ref.		
	Partially/complete primary	201 (35.8%)	2.2	1.5-3.3	<0.001	269 (47.9%)	2.0	1.4-2.9	<0.001
	Partially secondary or more	254 (49.7%)	4.0	2.7-6.0	<0.001	316 (61.8%)	3.9	2.7-5.8	<0.001
Number of children under three years	No child	279 (40.7%)	Ref.			367 (53.6%)	Ref.		
	1 child	198 (37.9%)	0.9	0.7-1.1	0.31	253 (48.5%)	0.9	0.7-1.1	0.20
	2 children	19 (27.9%)	0.6	0.3-0.99	0.05	29 (42.6%)	0.6	0.4-1.1	0.12
Age of youngest child (under three years)	0-5 months	33 (39.8%)	Ref.			45 (54.2%)	Ref.		
	6-11 months	37 (29.6%)	0.6	0.3-1.2	0.13	52 (41.6%)	0.6	0.3-1.1	0.08
	12-17 months	29 (33.7%)	0.7	0.4-1.4	0.35	33 (38.4%)	0.5	0.3-1.1	0.08
	18-23 months	34 (32.7%)	0.8	0.4-1.4	0.41	44 (42.3%)	0.7	0.4-1.3	0.28
	24-29 months	35 (40.2%)	1.0	0.5-2.0	0.90	49 (56.3%)	1.3	0.6-2.5	0.48
	30-36 months	49 (46.7%)	1.3	0.7-2.4	0.40	59 (56.2%)	1.2	0.6-2.4	0.52
Empowerment	None or very little	106 (38.0%)	Ref.			133 (47.7%)	Ref.		
	Some	248 (36.9%)	1.0	0.7-1.3	0.76	343 (51.0%)	1.1	0.8-1.5	0.60
	Greater	126 (43.4%)	1.3	0.9-1.8	0.14	154 (53.1%)	1.3	0.9-1.9	0.11

Total n= 1275; for some variables total n is smaller due to additional missing data: women’s education: n=1271, empowerment: n= 1241; OR: odds ratio from mixed effects logistic regression model adjusting for clustering by settlement, CI: 95% confidence interval; Ref: reference category.