

TABLE 4. Odds ratios from multivariate regressions identifying factors on multiple levels associated with use of modern contraceptives by women in union

Characteristic	Model 1	Model 2	Model 3	Model 4	Characteristic	Model 1	Model 2	Model 3	Model 4
FIXED EFFECTS					Partner approves of family planning†				
Intercept	-3.27	-5.34	-3.07	-4.61	No (ref)	na	1.00	na	1.00
Individual					Yes	na	2.14***	na	2.09***
Woman's education					Doesn't know	na	0.75	na	0.79
None (ref)	na	1.00	na	1.00	Discussed family planning with partner in past yr.				
Primary	na	1.24	na	1.26	No (ref)	na	1.00	na	1.00
≥secondary	na	0.79	na	0.74	Yes	na	2.18**	na	2.30***
Partner's education†					Discussed family planning with others in past 6 mos.				
None (ref)	na	1.00	na	1.00	No (ref)	na	1.00	na	1.00
Primary	na	1.50*	na	1.55*	Yes	na	1.41*	na	1.36*
≥secondary	na	1.76**	na	1.78**	Exposed to family planning messages in past 6 mos.				
Region					No (ref)	na	1.00	na	1.00
Bamako (ref)	na	1.00	na	1.00	Yes	na	1.57**	na	1.54*
Kayes	na	0.69	na	0.64	Community				
Koulikoro	na	0.94	na	0.84	% of women with an ideal family size of ≤4 children				
Sikasso	na	1.07	na	1.13		na	na	3.00	1.88
Segou	na	1.76	na	1.83	Mean no. of births				
Northern	na	1.21	na	1.26		na	na	0.72**	0.77
Residence					% of women exposed to family planning messages in past 6 mos.				
Urban (ref)	na	1.00	na	1.00		na	na	5.51***	1.24
Rural	na	0.63	na	0.84	% of women who approve of family planning				
Works outside the home						na	na	1.51	1.00
No (ref)	na	1.00	na	1.00	% of women with access to piped water				
Yes	na	1.37*	na	1.33		na	na	1.37	0.76
Woman's age					RANDOM EFFECTS				
15-19 (ref)	na	1.00	na	1.00	Estimates intercept variance (standard error)				
20-24	na	1.46	na	1.56		0.99 (0.20)	0.52 (0.14)	0.56 (0.18)	0.56 (0.16)
25-29	na	1.80*	na	1.84*	Ratio of variance estimate to standard error				
30-34	na	2.39**	na	2.58**		4.95***	3.71***	3.11**	3.50***
35-39	na	2.28**	na	2.33**	Intraclass correlation				
40-44	na	3.09***	na	3.27***		0.23	0.14	0.15	0.15
45-49	na	3.03**	na	3.29**	Model statistic				
Wealth quintile					AIC	na	60.00	14.00	70.00
Lowest (ref)	na	1.00	na	1.00	BIC	na	267.52	62.45	311.38
Second	na	1.08	na	1.11					
Middle	na	1.03	na	0.98					
Fourth	na	1.38	na	1.34					
Highest	na	2.74**	na	2.53*					
Woman approves of family planning									
No (ref)	na	1.00	na	1.00					
Yes	na	2.23**	na	2.24**					
Doesn't know	na	1.21	na	1.03					

†As reported by respondent. *p<.05. **p≤.01. ***p<.001. Notes: ref=reference group. na=not applicable.