

Supplementary Table

Table S1: Adjusted odds ratio (AOR) estimated from binary logit regression for infant mortality by background characteristics, India 2015-21

Background characteristics	Model I OR [CI 95%]	Model II AOR [CI 95%]	Model III AOR [CI 95%]	Model IV AOR [CI 95%]
Types of marriage				
Close consanguinity	1.12***(1.06, 1.18)	1.12***(1.06, 1.18)	1.20***(1.11, 1.3)	1.17(0.95, 1.44)
Distant consanguinity	1.17***(1.09, 1.24)	1.16***(1.09, 1.24)	1.27***(1.17, 1.39)	1.45***(1.17, 1.79)
No consanguinity®				
Sex of the child				
Male®				
Female		0.86***(0.83, 0.88)	0.96*(0.92, 1.01)	0.90*(0.80, 1.01)
Birth order/birth interval				
First Birth®				
Birth order 2-3/<24 months birth int.		1.14***(1.09, 1.19)	0.99(0.92, 1.06)	0.75***(0.63, 0.91)
Birth order 2-3/≥24 months birth int.		0.64***(0.61, 0.66)	0.70***(0.66, 0.74)	0.69***(0.60, 0.80)
Birth order 4+/<24 months birth int.		2.08***(1.96, 2.20)	2.08***(1.91, 2.27)	1.41***(1.12, 1.77)
Birth order 4+/≥24 months birth int.		1.06**(1, 1.12)	1.28***(1.19, 1.37)	1.03(0.86, 1.25)
Age at marriage				
Below 18®				
18-24		0.78***(0.75, 0.81)	0.86***(0.82, 0.9)	1.14**(1.01, 1.29)
25 & above		0.71***(0.66, 0.76)	0.78***(0.71, 0.86)	1.26*(0.99, 1.59)
ANC visits (≥4)				
No ®				
Yes			0.65***(0.62, 0.68)	0.83***(0.73, 0.94)
PNC within 2days				
No®				
Yes			0.85***(0.81, 0.89)	0.92(0.82, 1.04)
Institutional Delivery				
No®				
Yes			0.85***(0.8, 0.91)	0.92(0.80, 1.07)
Education				
No education®				
Primary				0.88(0.74, 1.04)
Secondary				0.62***(0.53, 0.72)
Higher				0.37***(0.27, 0.49)
Working Status				
No®				
Yes				1.19**(1.04, 1.37)
Mass media exposure				
No ®				
Yes				1.23***(1.07, 1.41)
Religion				
Hindu®				
Muslim				0.90(0.76, 1.07)
Others				1.02(0.75, 1.4)
Caste				
SC®				
ST				0.75***(0.61, 0.93)
OBC				1.12(0.97, 1.29)
Others				0.80**(0.66, 0.97)
Wealth Quintile				
Poorest®				
poorer				0.93(0.8, 1.09)
Middle				0.78***(0.65, 0.94)

richer				0.52***(0.41, 0.66)
Richest				0.44***(0.33, 0.59)
Types of family				
Non-Nuclear®				
Nuclear				0.99(0.87, 1.11)
Place of residence				
Rural®				
Urban				1.15*(0.99, 1.34)
Region				
North®				
Central				1.14(0.94, 1.37)
Eastern				0.82*(0.67, 1.01)
Northeast				0.83(0.59, 1.17)
Western				0.70***(0.55, 0.9)
South				0.76***(0.60, 0.95)
Log likelihood	-70501.282	-68597.925	-36372.247	-5846.3731

***p < 0.001; **p < 0.01; *p < 0.05

®Reference category