

Table. Associations of Preterm Infant and Maternal Characteristics and Theory of Planned Behavior Domains and Exclusive Supine Sleep

	Total	Exclusive Supine	Non-supine	Unadjusted RR (95% CI)	Model 1: Infant variables RR (95% CI)	Model 2: M1 + maternal variables RR (95% CI)	Model 3: M2 + TPB domains RR (95% CI)
Total	902	469 (52%)	433 (48%)				
Infant characteristics (Model 1)							
Gestational Age at Birth							
<29 weeks	271 (30%)	125 (46%)	146 (54%)	0.79 (0.68, 0.91)	0.81 (0.69, 0.93)	0.88 (0.75, 1.00)	0.85 (0.68, 1.02)
29-33 weeks	301 (33%)	152 (51%)	149 (49%)	0.87 (0.74, 1.00)	0.88 (0.75, 1.01)	0.88 (0.75, 1.01)	0.94 (0.75, 1.12)
34-36 weeks	330 (37%)	192 (58%)	138 (42%)	REF	REF	REF	REF
Post-menstrual age at discharge							
<38 weeks	506 (56%)	273 (54%)	233 (46%)	REF	REF	REF	REF
38-42 weeks	334 (37%)	166 (50%)	168 (50%)	0.97 (0.86, 1.08)	0.98 (0.77, 1.18)	0.91 (0.78, 1.05)	1.00 (0.86, 1.13)
>42 weeks	62 (7%)	30 (48%)	32 (52%)	1.00 (0.77, 1.22)	1.01 (0.76, 1.24)	0.95 (0.75, 1.16)	0.97 (0.69, 1.25)
Maternal characteristics (Model 2)							
Maternal age							
<24	44 (5%)	16 (36%)	28 (64%)	0.68 (0.45, 0.96)		0.83 (0.48, 1.20)	0.94 (0.50, 1.38)
24-35	692 (77%)	367 (53%)	325 (47%)	REF		REF	REF
>35	164 (18%)	86 (52%)	78 (48%)	0.98 (0.85, 1.12)		0.97 (0.84, 1.11)	0.82 (0.61, 1.04)
Maternal race/ethnicity							
Hispanic any race	220 (24%)	95 (43%)	125 (57%)	0.68 (0.55, 0.82)		0.78 (0.63, 0.94)	0.81 (0.65, 0.98)
Non-Hispanic Black	137 (15%)	46 (34%)	91 (66%)	0.54 (0.44, 0.55)		0.68 (0.38, 1.02)	0.73 (0.34, 1.15)
Non-Hispanic White	413 (46%)	264 (64%)	149 (36%)	REF		REF	REF
Non-Hispanic Asian	104 (12%)	53 (51%)	51 (49%)	0.80 (0.64, 0.96)		0.83 (0.66, 1.01)	0.81 (0.62, 1.00)
Did not answer	28 (3%)	11 (39%)	17 (61%)				
Maternal education							
<High school or High school/GED	240 (27%)	118 (49%)	122 (51%)	0.85 (0.72, 0.98)		1.00 (0.82, 1.16)	0.86 (0.64, 1.08)
Some college/Associate	283 (32%)	129 (46%)	154 (54%)	0.78 (0.65, 0.91)		0.85 (0.70, 0.99)	0.81 (0.58, 1.05)
College graduate or more	369 (41%)	216 (59%)	153 (41%)	REF		REF	REF
Language spoken at home							
English	800 (89%)	433 (54%)	367 (46%)	REF		REF	REF
Spanish	77 (9%)	29 (38%)	48 (62%)	0.70 (0.53, 0.89)		0.54 (0.27, 0.91)	0.42 (0.16, 0.90)
Other	23 (3%)	6 (26%)	17 (74%)	0.50 (0.25, 0.86)		0.88 (0.65, 1.12)	0.73 (0.50, 1.00)
Household annual income							
<\$20,000	155 (17%)	62 (40%)	93 (60%)	0.68 (0.53, 0.84)		0.93 (0.70, 1.14)	0.93 (0.67, 1.17)
\$20,000 to \$49,999	249 (28%)	126 (51%)	123 (49%)	0.85 (0.72, 0.98)		0.81 (0.61, 1.02)	0.90 (0.67, 1.11)
≥\$50,000	383 (43%)	229 (60%)	154 (40%)	REF		REF	REF
I don't know	58 (6%)	24 (41%)	34 (59%)				
TPB Domains (Model 3)							
Positive attitudes							
Exclusive supine	444 (49%)	332 (75%)	112 (25%)	REF			REF
Side (+/- supine)	143 (16%)	14 (10%)	129 (90%)	0.13 (0.06, 0.23)			0.20 (0.09, 0.40)
Any prone	65 (7%)	5 (8%)	60 (92%)	0.11 (0.03, 0.30)			0.21 (0.09, 0.44)
No opinion	226 (26%)	107 (47%)	119 (53%)	0.63 (0.49, 0.78)			0.67 (0.50, 0.84)
Positive perceived control							

("My baby's sleep position is mostly up to me")						
Agree/Strongly Agree	633 (72%)	322 (51%)	311 (49%)	REF		REF
Strongly Disagree/Disagree/ Neither agree nor disagree	243 (28%)	135 (56%)	108 (44%)	1.10 (0.93, 1.28)		1.09 (0.86, 1.31)
Positive social norms						
Exclusive supine	447 (51%)	349 (78%)	98 (22%)	REF		REF
Side (+/- supine)	183 (21%)	53 (29%)	130 (71%)	0.36 (0.28, 0.45)		0.56 (0.45, 0.68)
Any prone	222 (25%)	48 (22%)	174 (78%)	0.28 (0.20, 0.38)		0.39 (0.27, 0.53)
No opinion	24 (3%)	7 (29%)	17 (71%)	0.37 (0.14, 0.75)		0.43 (0.14, 0.87)

TPB = Theory of Planned Behavior; RR = risk ratio; CI = confidence interval

Bold face indicates statistical significance