

FREQUENCY AND UNADJUSTED RELATIVE RISK OF
SPONTANEOUS PERINEAL TEARS (SECOND, THIRD, OR
FOURTH DEGREE) IN SECONDIPAROUS WOMEN,
ACCORDING TO SELECTED RISK FACTORS

Third, Delivery Selected Risk Factors (C)	Spontaneous Perineal Tears (Second or Fourth Degree) at the Seco	
	No. with Tear/Total (%)	RR (95% CI)
Maternal age, years		
□24	61/220 (27.7)	1.00*
25-29	291/823 (35.4)	1.3 (1.0-1.6)†
30-34	269/680 (39.6)	1.4 (1.1-1.8)†
≥35	78/172 (45.3)	1.6 (1.3-2.1)†
Epidural analgesia		
No	293/832 (35.2)	1.00*
Yes	406/1063 (38.2)	1.1 (1.0-1.2)
Mode of delivery		
Spontaneous	604/1690 (35.7)	1.00*
Vacuum	76/170 (44.7)	1.3 (1.1-1.5)†
Forceps	19/35 (54.3)	1.5 (1.1-2.1)†
Shoulder dystocia		
No	672/1837 (36.6)	1.00*
Yes	27/58 (46.6)	1.3 (1.0-1.7)
Gestational age, weeks		
□36	13/64 (20.3)	1.00*
37-38	127/893 (32.3)	1.6 (1.0-2.6)
39-40	450/1153 (39.0)	1.9 (1.2-3.1)†
≥41	109/285 (38.2)	1.9 (1.1-3.1)†
Birth weight, grams		
□2999	67/286 (23.4)	1.00*
3000-3499	250/765 (32.7)	1.4 (1.1-1.8)†
3500-3999	291/676 (43.0)	1.8 (1.5-2.3)†
≥4000	91/168 (54.2)	2.3 (1.8-3.0)†
Fetal presentation		
Vertex	694/1888 (36.8)	1.00*
Nonvertex	5/7 (71.4)	1.9 (1.2-3.1)†
Newborn's head circumference (cm)‡		
□32.9	30/144 (20.8)	1.00*
33.0-33.9	100/821 (31.2)	1.5 (1.1-2.1)†
34.0-34.9	197/550 (35.8)	1.7 (1.2-2.4)†
35.0-35.9	207/526 (39.4)	1.9 (1.4-2.6)†
≥36.0	157/833 (47.1)	2.3 (1.6-3.2)†
Training of the birth attendant		
Obstetrics and gynecology	532/1477 (36.0)	1.00*
General or family medicine	167/418 (40.0)	1.1 (1.0-1.3)
Experience, years		
□10	93/231 (40.3)	1.1 (0.8-1.5)
11-20	349/820 (37.9)	1.1 (0.8-1.4)
21-30	215/627 (34.3)	1.0 (0.7-1.3)
≥31	42/117 (35.9)	1.00*