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Table 1: Sociodemographic characteristics of the families involved in the study, compared to those of families included in the NASCITA Cohort but excluded from this study.

Variable		Assessable	Not assessable	p-value
Total		2.731	2.323	
Geographical area of residence	North	1.266 (46.4)	1.074 (46.2)	0.0096*
	Centre	491 (18.0)	489 (21.1)	
	South	974 (35.7)	760 (32.7)	
Setting	Urban	1.037 (38.0)	958 (41.3)	0.0171*
	Rural	1.693 (62.0)	1.363 (58.7)	
Maternal age at delivery	<30	654 (24.5)	562 (24.8)	0.6973
	30-34	972 (36.4)	797 (35.2)	
	35+	1.046 (39.1)	904 (39.9)	
Paternal age at delivery	<30	370 (14.0)	296 (13.1)	0.5771
	30-34	714 (27.0)	598 (26.5)	
	35+	1.565 (59.1)	1.363 (60.4)	
Employed mother	Yes	1.929 (71.1)	1.567 (68.0)	0.0198*
	No	785 (28.9)	736 (32.0)	
Employed father	Yes	2.600 (96.4)	2.196 (95.9)	0.3478
	No	98 (3.6)	95 (4.1)	
Both parents employed	Yes	49 (1.8)	54 (2.4)	0.1777
	No	2.643 (98.2)	2.228 (97.6)	
Single mother	Yes	32 (1.2)	39 (1.7)	0.1276
	No	2.697 (98.8)	2.284 (98.3)	
Single father	Yes	24 (0.9)	32 (1.4)	0.0918
	No	2.696 (99.1)	2.283 (98.6)	

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Maternal educational level	Low	395 (14.6)	396 (17.3)	0.0104*
	High	2.308 (85.4)	1.897 (82.7)	
Paternal educational level	Low	621 (23.2)	534 (23.6)	0.7616
	High	2.057 (76.8)	1.733 (76.4)	
Only child	Yes	1.482 (54.3)	1.228 (52.9)	0.3221
	No	1.246 (45.7)	1.092 (47.1)	
Maternal psychiatric condition during pregnancy	Yes	22 (0.8)	11 (0.5)	0.1441
	No	2.709 (99.2)	2.312 (99.5)	
Any psychiatric disorder in maternal family	Yes	26 (1.0)	18 (0.8)	0.4992
	No	2.705 (99.0)	2.305 (99.2)	
Paternal psychiatric condition	Yes	-	2 (0.1)	0.2112
	No	2.731 (100.0)	2.321 (99.9)	
Any psychiatric disorder in paternal family	Yes	27 (1.0)	14 (0.6)	0.1274
	No	2.704 (99.0)	2.309 (99.4)	

Table 2 – Association between paternal and neonatal characteristics and paternal postnatal depression.

Variable		Paternal postnatal depression		OR (95%CI)	p-value
		Likely depressed father (N=18)	*Not depressed* (N=2090)		
Geographical area of residence	*North*	12 (66.7)	887	2.77 (0.89-8.62)	0.07
	Centre	2 (11.1)	384	1.07 (0.19-5.85)	0.94
	South	4 (22.2)	819	1	
Setting	*Urban*	3 (16.7)	827	0.31	0.06

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				(0.09-1.06)	
	Rural	15 (83.3)	1262	1	
Paternal age at delivery	*<30*	2 (11.1)	280 (13.8)	1.01 (0.18-5.52)	0.99
	30-34	4 (22.2)	563 (27.7)	1	
	≥35	12 (66.7)	1201 (58.6)	1.42 (0.46-4.42)	0.54
Educational level**	*Low*	4 (22.2)	478 (23.2)	0.95 (0.31-2.89)	0.92
	High	14 (77.8)	1585 (76.8)	1	
Employment status	*Employed*	16 (88.9)	2001 (96.4)	0.30 (0.07-1.33)	0.11
	Unemployed	2 (11.1)	75 (3.6)	1	
Marital status	*Single*	-	8		-
	With partner	18 (100)	2082 (99.6)		1
Father smoker	*Yes*	5 (27.8)	514 (24.7)	1.17 (0.42-3.31)	0.76
	No	13 (72.2)	1569 (75.3)	1	
Paternal chronic conditions	*Yes*	4 (22.2)	274 (13.1)	1.89 (0.62-5.79)	0.26
	No	14 (77.8)	1816 (86.9)	1	
First time fathers	*Yes*	11 (61.1)	1133 (54.3)	1.32 (0.51-3.43)	0.56
	No	7 (38.9)	954 (45.7)	1	
Newborn gender	*Male*	9 (50)	1077 (51.5)	1	0.90
	Female	9 (50)	1013 (48.5)	1.06 (0.42-2.69)	
Preterm birth (37 weeks)	*Yes*	-	126 (6)	-	0.30
	No	18 (100)	1963 (94)	1	
Child hospitalized in the NICU for at least 7 days	*Yes*	*1 (5.6)*	*38 (1.8)*	*3.16 (0.41-24.34)*	*0.27*
	No	17 (94.4)	2040 (98.2)	1	
Child sleeping disorders at second visit	*Yes*	7 (38.9)	160 (7.7)	7.64 (2.92-19.97)	< 0.0001 *

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(2-3 months after childbirth)	*No*	11 (61.1)	1920 (92.3)	1	
Child sleeping disorders at third visit (5-7 months after childbirth)	*Yes*	7 (38.9)	309 (14.8)	3.66 (1.41-9.50)	0.007*
	No	11 (61.1)	1775 (85.2)	1	
Depressed mother	Yes	12 (75)	62 (3.4)	85.53 (26.83-272.69)	< 0.0001 *
	No	4 (25)	1768 (96.6)		

* p-value of chi-square for trend test. **Educational level: low: no schooling or primary versus high: secondary school or university.