Online Depository

Title:

Reduced neonatal lung function and wheezing illnesses during the first five years of life

Results

<u>Subject characteristics</u>

Online depository table 1.

	Total cohort	Group that already reached the age of 5 years	P-value compared to the children in the cohort below the age of 5 years	Group with successful SOT, and complete medical records	P-value compared to other children in the cohort.	Group with successful SOT, complete medical records, and successful visit at 5 years of age	P-value compared to to other children in the cohort.
	N = 2150	N = 918		N = 549		N = 298	
Sex (% boys)	49.3	49.2	0.988 [a]	47.9	0.463 [a]	47.3	0.373 [a]
Birth Weight (mean, grams, SD)	3524 (515)	3497 (535)	0.058 [b]	3509 (516)	0.413 [b]	3502 (492)	0.296 [b]
Gestational age (mean days, SD)	278.6 (10)	278.5 (10.4)	0.721 [b]	278.9 (10.2)	0.364 [b]	279 (9.6)	0.547 [b]
Age at measurement (median, days, IQR)	33 (28-40)	31 (26-37)	**<0.001** [c]	31 (26-37)	**<0.001** [c]	31 (26-37)	**<0.001** [c]
Crs (median, ml/kPa, IQR)	45.2 (38.2-52.6)	42.0 (34.9-49.3)	**<0.001** [c]	42.1 (35.4-49.3)	**<0.001** [c]	41.8 (35.4-48.6)	**<0.001** [c]
Rrs (median, kPa/l/s, IQR)	6.4 (5.3-7.8)	7.0 (5.0-8.7)	**<0.001** [c]	6.9 (5.8-8.7)	**<0.001** [c]	6.8 (5.7-8.3)	**<0.001** [c]
Siblings (% with at least one)	53	50.9	0.081 [a]	51	0.267 [a]	54.4	0.743 [a]
Maternal allergy (allergy to pollen, house dust mite, food, or pets) (%)	38.1	39.4	0.350 [a]	39.0	0.662 [a]	37.8	0.926 [a]
Paternal allergy (allergy to pollen, house dust mite, food, or pets) (%)	37.6	37.4	0.915 [a]	39.4	0.381 [a]	42.6	0.072 [a]
Maternal smoking during pregnancy (%)	6.3	8.0	**0.008** [a]	7.3	0.286 [a]	6.7	0.525 [a]
Maternal smoke exposure during pregnancy (%)	16.1	25.1	**<0.001** [a]	24	**<0.001** [a]	22.5	**<0.001** [a]
Daycare visit in first 6 months of life (%)	60.5	56.4	**0.002** [a]	59.9	0.868 [a]	61.2	0.198 [a]
Maternal higher education (%)	66.0	64.0	0.148 [a]	64.3	0.404 [a]	65.2	0.111 [a]
Maternal age > 30 yr (%)	62.4	61.4	0.440 [a]	65.8	0.058 [a]	70.1	**<0.001** [a]
Ethnicity mother (% Western)	89.6	91.2	0.078 [a]	90.2	0.680 [a]	90.8	0.723 [a]

Table 1. General characteristics of the total study population, the population that already reached the age of 5 years, the group with successful SOT and complete medical records, and the group with successful SOT, complete medical records and successful spirometry at the age of 5, with p-values of subgroups compared to total cohort. a= Chi-square test, b= T-test, c= Mann-Whitney test.