Supplement Table 2 Association between the grandmother's smoking when pregnant with the mother and asthma development in the grandchild: results from complete case analyses

Outcome	Exposure	n, total	n, cases	Crude RR(95% CI)	Model 1 adj.RR(95% CI)	Model 2 adj. RR(95% CI)
Asthma at 36 months	Grandmother smoked during pregnancy					
(N=53,169)	No Yes Don't know	34,460 12,104 4,933	1,843 803 307	1 1.24 (1.14, 1.35) 1.16 (1.03, 1.31)	1 1.14 (1.05, 1.24) 1.10 (0.97, 1.24)	1 1.14 (1.05, 1.24) 1.09 (0.97, 1.23)
Asthma at 7 years (N=25,394)	Grandmother smoked during pregnancy No Yes Don't know	16,301 5,756 2,276	759 348 129	1 1.30 (1.15, 1.47) 1.22 (1.01, 1.46)	1 1.22 (1.07, 1.38) 1.19 (0.99, 1.44)	1 1.23 (1.08, 1.40) 1.20 (1.00, 1.45)
Use of asthma medications at 7	Grandmother smoked during pregnancy	2,270	12)			
years based on prescription registry (N=45,607)	No Yes Don't know	28,821 11,367 4,448	1,281 627 226	1 1.24 (1.13, 1.36) 1.14 (1.00, 1.31)	1 1.14 (1.04, 1.26) 1.07 (0.92, 1.23)	1 1.14 (1.03, 1.25) 1.06 (0.92, 1.23)

Model 1 adjusted for maternal age, maternal parity, maternal education, maternal salary, maternal pre-pregnancy BMI, and maternal asthma.

Model 2 adjusted for maternal age, maternal parity, maternal education, maternal salary, maternal pre-pregnancy BMI, maternal asthma and maternal smoking during pregnancy.

There were a total of 1,069 children in the analysis of asthma at 36 months, 535 children in the analysis of asthma at 7 years and 971 children in the analysis of use of asthma medication with missing information on the grandmother's smoking status. Furthermore, missing information on asthma status was present for 610 children with regard to current asthma at 36 months and 540 children with regard to current asthma at 7 years. For all other covariates, the amount of missing information was less than 1.5%. The amount of individuals with missing information on one or more covariates in the multivariable analyses was approximately 10%.