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**Parental antibiotics and childhood asthma : a population-based study.**

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**Table E1.** Crude and adjusted Hazard Ratios (HR) and 95% Confidence Intervals (CI) for asthma in relation to maternal and paternal exposure to antibiotics before, during, and after pregnancy.

Maternal exposure	Age (yrs)	Crude				Adjusted*			
		Events	Person-years	HR	95% CI	Events	Person-years	HR	95% CI
Pre-pregnancy	0-2.5	26469	1032281	1.33	1.29-1.37	25125	983389	1.31	1.27-1.35
	>2.5	2450	472835	1.23	1.10-1.37	2294	442414	1.21	1.08-1.35
During pregnancy	0-2.5	26755	1051287	1.34	1.30-1.38	25315	998713	1.27	1.23-1.30
	>2.5	2491	480323	1.16	1.06-1.28	2325	448740	1.10	1.00-1.21
Post-pregnancy	0-2.5	26753	1070218	1.38	1.33-1.42	25400	1019663	1.34	1.30-1.38
	>2.5	2491	489249	1.21	1.10-1.34	2331	457834	1.17	1.05-1.30
Paternal exposure	Age (yrs)	Events	Person-years	HR	95% CI	Events	Person-years	HR	95% CI
Pre-pregnancy	0-2.5	26170	1037764	1.20	1.15-1.25	26170	1037764	1.17	1.12-1.21
	>2.5	2442	474413	1.08	0.94-1.25	2442	474413	1.05	0.91-1.21
During pregnancy	0-2.5	26375	1047960	1.17	1.13-1.21	25040	998603	1.13	1.09-1.17
	>2.5	2461	478697	0.92	0.81-1.04	2304	448096	0.91	0.80-1.03

Post-pregnancy	0-2.5	26543	1061021	1.23	1.18-1.28	26543	1061020	1.19	1.14-1.25
	>2.5	2478	484911	1.05	0.91-1.21	2478	484911	1.02	0.88-1.17

\*Maternal exposure: Adjusted for parents' highest education, mother's country of birth and history of asthma, parental cohabitation during pregnancy, parity, age as analysis time scale (pre-pregnancy, pregnancy, post-pregnancy) and maternal smoking (pregnancy).

\*Paternal exposure: Adjusted for parents' highest education, father's country of birth and history of asthma, age as analysis time scale (pre-pregnancy, pregnancy, post-pregnancy) and parental cohabitation during pregnancy (pregnancy).

**Table E2.** Adjusted\* Hazard Ratio (HR) and 95% Confidence Intervals (CI) after including an interaction term between exposure and older siblings ( $\geq 2.5$  years older)

<b>Maternal exposure</b>	<b>Pre-pregnancy, HR (95% CI)</b>		<b>During pregnancy, HR (95% CI)</b>		<b>Post-pregnancy, HR (95% CI)</b>	
	<i>No older siblings</i>	<i>Older siblings</i>	<i>No older siblings</i>	<i>Older siblings</i>	<i>No older siblings</i>	<i>Older siblings</i>
<b>Age (yrs)</b>						
0-2.5	1.31 (1.24-1.40)	1.34 (1.27-1.42)	1.25 (1.19-1.31)	1.34 (1.27-1.41)	1.38 (1.30-1.45)	1.54 (1.46-1.63)
$\geq 2.5$	1.29 (1.07-1.55)	1.17 (0.93-1.47)	1.06 (0.90-1.23)	1.15 (0.94-1.41)	1.19 (1.01-1.40)	1.25 (1.00-1.55)
<b>Paternal exposure</b>						
<b>Age (yrs)</b>	<i>No older siblings</i>	<i>Older siblings</i>	<i>No older siblings</i>	<i>Older siblings</i>	<i>No older siblings</i>	<i>Older siblings</i>
0-2.5	1.18 (1.10-1.27)	1.14 (1.06-1.22)	1.14 (1.07-1.21)	1.13 (1.06-1.21)	1.20 (1.11-1.29)	1.20 (1.11-1.29)
$\geq 2.5$	0.92 (0.72-1.17)	1.12 (0.85-1.46)	1.00 (0.82-1.21)	0.84 (0.64-1.09)	0.94 (0.75-1.19)	1.19 (0.92-1.54)

\*Maternal exposure: Adjusted for parents' highest education, mother's country of birth and history of asthma, parental cohabitation during pregnancy, parity, age as analysis time scale (pre-pregnancy, pregnancy, post-pregnancy) and maternal smoking (pregnancy).

\*Paternal exposure: Adjusted for parents' highest education, father's country of birth and history of asthma, age as analysis time scale (pre-pregnancy, pregnancy, post-pregnancy) and parental cohabitation during pregnancy (pregnancy).

**Table E3.** HR and 95% CI for asthma in relation to paternal exposure to antibiotics before, during, and after pregnancy, with adjustment for maternal antibiotics.

	Paternal exposure				
	Age	Adjusted*		Adjusted* <sup>¶</sup>	
		HR	95% CI	HR	95% CI
<b>Pre-pregnancy exposure</b>	0-2.5	1.17	1.12-1.21	1.13	1.08-1.17
	≥2.5	1.05	0.91-1.21	1.01	0.88-1.17
<b>Pregnancy exposure</b>	0-2.5	1.13	1.09-1.17	1.10	1.06-1.14
	≥2.5	0.91	0.80-1.03	0.80	0.77-1.00
<b>Post-pregnancy exposure</b>	0-2.5	1.19	1.14-1.25	1.15	1.11-1.20
	≥2.5	1.02	0.88-1.17	0.98	0.85-1.13

\*Paternal exposure: Adjusted for parents' highest education, father's country of birth and history of asthma, age as analysis time scale (pre-pregnancy, pregnancy, post-pregnancy) and parental cohabitation during pregnancy (pregnancy).

<sup>¶</sup>Analyses adjusted for maternal antibiotics during the same exposure period.