

Supplemental Material

Farm environment during pregnancy and childhood and polysensitization at the age of 31 – Prospective birth cohort study in Finland

Anne M. Karvonen*, Jussi Lampi*, Leea Keski-Nisula, Juha Auvinen, Sanna Toppila-Salmi, Marjo-Riitta Järvelin, Juha Pekkanen

*These authors contributed equally to this work.

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Table E1. General characteristics of the subjects included into the present analyses and rest of the original cohort.

	Present in the analyses	Rest of the original cohort
	%	%
Female	50 %	48 %
Maternal smoking during pregnancy, Yes	14 %	16 %
Professional farming during infancy, Yes	23 %	18 %
Maternal age over 30 at birth	33 %	30 %
Pre pregnancy maternal BMI (mean (kg/m ²)) [^]	23.2	23.0

[^]BMI body mass index (kg/m²) has been reported as mean value.

Table E2. Description of the study population stratified by professional farming during infancy.

		Professional farming			
		No		Yes	
		N	%	N	%
<i>Characteristics of the study population</i>	Sex, Male	2 137	50.3	609	48.3
	Female	2 110	49.7	653	51.7
	Gestational age (weeks), ≤36	200	4.7	51	4.1
	37-39	1 052	24.8	360	28.5
	40-41	2 051	48.3	571	45.2
	≥42	809	19.0	229	18.1
	missing information	135	3.2	51	4.1
	Birth height (cm), ≤48	729	17.2	178	14.1
	49	598	14.1	176	13.9
	50	915	21.6	296	23.5
	51	826	19.4	245	19.4
	≥52	1 143	26.9	354	28.1
	missing information	36	0.8	13	1.0
	High school graduated (education), Yes	1 723	40.5	363	28.8
	No	2 474	58.3	891	70.6
	missing information	50	1.2	8	0.6
	BMI at the age of 31 y, mean (kg/m²)[^]	4 245	24.6	1 261	25.0
	missing information	2	0.05	1	0.08
	<i>Maternal factors</i>	Parity, 0	1 537	36.2	191
1		1 081	25.4	202	16.0
2-3		1 072	25.2	350	27.7
> 3		546	12.9	517	41.0
missing information		11	0.3	2	0.2
Maternal age at menarche (years), ≤ 12		611	14.3	115	9.1
13		990	23.3	236	18.7
14		1 129	26.6	326	25.8
15		894	21.1	304	24.1
≥ 16		544	12.8	256	20.3
missing information		79	1.9	25	2.0
Maternal age (years), ≤ 20		572	13.5	69	5.5
21-30		2 492	58.6	503	39.8
31-40		1 022	24.1	545	43.2
≥41		139	3.3	136	10.8
missing information		22	0.5	9	0.7
Maternal education, 0-8 years		2 648	62.4	992	78.6
Vocational		758	17.8	227	18.0
Over 8 years		752	17.7	38	3.0
missing information		89	2.1	5	0.4
Smoking during pregnancy, Non smoker		3 221	75.8	1 087	86.1
Not during pregnancy		280	6.6	46	3.6
Yes	652	15.4	103	8.2	
missing information	94	2.2	26	2.1	
Pre pregnancy maternal BMI, mean (kg/m²)[^]	3 912	22.9	1 112	24.4	
missing information	335	7.9	150	11.9	
<i>Childhood factors</i>					
Place of residence, Town	1 779	41.9	34	2.7	
Village	1 212	28.5	163	12.9	
Outlying districts	1 256	29.6	1 065	84.4	
Residential density (occupants/rooms), < 1	447	10.5	54	4.3	
1-2	2 034	47.9	571	45.3	
>2	1 540	36.3	591	46.8	
missing information	226	5.3	46	3.6	

Table E2 continues		Professional farming			
		No		Yes	
		N	%	N	%
<i>Parental history of allergic diseases</i>	Maternal asthma, yes	382	9.0	169	13.4
	No	3 536	83.3	986	78.1
	missing information	329	7.7	107	8.5
	Maternal allergy, yes	683	16.1	205	16.2
	No	3 061	72.1	916	72.6
	missing information	503	11.8	141	11.2
	Paternal asthma, yes	286	6.7	153	12.1
	No	3 562	83.9	997	79.0
	missing information	399	9.4	112	8.9
	Paternal allergy, yes	462	10.9	140	11.1
	No	3 237	76.2	963	76.3
	missing information	548	12.9	159	12.6

[^]BMI body mass index (kg/m²) has been reported as mean value.

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