

Table S1. Environmental questions used in the nested case control study

1. During your pregnancy, did you take any medication?

(1) None; (2) Yes

If yes, then:

(1) What kind of medication did you take?

- | | |
|----------------------------------|----------------------------|
| (A) Anti-pyretics | (B) Hypnotics |
| (C) Gastro-intestinal medication | (D) Common cold medication |
| (E) Tocolysis | (F) Anti-emetics |
| (G) Antibiotics | (H) Others |

(2) When did you start to take medication during your pregnancy?

- | | |
|---|--|
| (A) 1 st trimester (pregnancy for 1-4 months) | (B) 2 nd trimester (pregnancy for 5-7 months) |
| (C) 3 rd trimester (pregnancy for 8-10 months) | |

(3) For how long did you take the medication (the earliest kind)?

- | | |
|-----------------------|---------------|
| (A) 0-3 days | (B) 4-7 days |
| (C) 1-2 weeks | (D) 2-4 weeks |
| (D) More than 1 month | |

2. During your pregnancy, did you take any Chinese herbal medication?

(2) None; (2) Yes

If yes, then:

(1) What kind of Chinese herbal medication did you take?

- | | |
|--------------------------------------|-----------------|
| (A) Bazhen Tang | (B) Si Wu Tang |
| (C) Ginseng | (D) Coptis root |
| (E) Anti-abortion herbs (An-Tai-Yin) | (F) Unknown |
| (G) Others | |

(2) When did you start to take Chinese herbal medication during your pregnancy?

- | | |
|---|--|
| (A) 1 st trimester (pregnancy for 1-4 months) | (B) 2 nd trimester (pregnancy for 5-7 months) |
| (C) 3 rd trimester (pregnancy for 8-10 months) | |

months)

(3) What is the frequency of taking Chinese herbal medication during your pregnancy?

- (A) <1 time/month (B) At least 1 time/month
(C) 1-3 times/week (D) 4-6 times/week
(E) At least 1 time daily

(4) What is the duration of taking Chinese herbal medication during your pregnancy?

- (A) <3 days (B) 3-7 days
(C) 1-2 weeks (D) 2-4 weeks
(E) more than 1 month

3. What is the mode of delivery when you give birth to this child

(1) Vaginal delivery; (2) Cesarean section.

4. During the process of delivery, did your doctor use forceps during vaginal delivery?

(1) None; (2) Yes

5. What was the birth weight of your child? _____gram

6. What was the gestational age while you give birth to this child? _____weeks

7. Have you exclusively breastfed your child?

(1) None; (2) Yes

If yes, then for how long?

- (1) Less than one month (2) 1-2 month
(3) 2-4 months (4) 4-6 months
(5) 6-8 months (6) 8-10 months
(7) 10-12 months (8) More than 1 year

8. How many times did your child have respiratory tract infection before he (she) was 1 year old ?

(1) None; (2) 1-2 times; (3) 3-4 times; (4) 5-6 times; (5) more than 6 times.

9. Did your child hospitalize due to respiratory tract infection before he (she) was 1 year old ?

(1) None; (2) Yes

10. Did your child attend daycare center before he (she) enter elementary school?

(1) None; (2) Yes

If yes, when did your child attend daycare center?

(A) 0-4 months

(B) 4-6 months

(C) 6-12 months

(D) 1-2 years-old

(E) 2-3 years-old

(F) 3-4 years-old

(G) 4-7 years-old

(H) More than 7 years-old

11. How many children other than your child did the main caregiver care before your child was 1 year old ?

(1) None

(2) 1 child

(3) 2 children

(4) 3 children

(5) More than 3 children

Table S2. The representativeness of our control groups as compared to original control population.

Characteristics	Control		Control frequency corrected for sampling		Difference between control and original population P value
	(N=386)		(N=4312)		
	N	%	N‡	%	
Sex					0.99
Girls	168	43.5	1876	43.5	
Boys	218	56.5	2436	56.5	
Parental education, yr†					0.001
≤12	264	69.1	2603	60.4	
13~15	69	18.1	888	20.6	
≥16	49	12.8	821	19.0	
Family history of asthma†					0.79
No	372	97.9	4212	97.7	
Yes	8	2.1	100	2.3	
Family history of atopy*†					0.15
No	274	72.1	3252	75.4	
Yes	106	27.9	1060	24.6	
<i>In utero</i> maternal smoking †					0.01
No	382	99.0	4162	96.5	
Yes	4	1.0	150	3.5	

*Atopy is defined as allergic rhinitis or atopic eczema.

†Number of subjects does not add up to total N because of missing data.

Table S3. The representativeness of our cases as compared to original cases in baseline cohort.

Characteristics	Case		Original cases		Difference between control and original population
	(N=193)		(N=287)		P value
	N	%	N	%	
Sex					0.59
Girls	84	43.5	132	45.9	
Boys	109	56.5	155	54.1	
Parental education, yr†					0.01
≤12	116	61.7	174	60.6	
13~15	41	21.8	93	32.5	
≥16	31	16.5	20	6.9	
Family history of asthma†					0.37
No	165	89.2	263	91.8	
Yes	20	10.8	24	8.2	
Family history of atopy*†					0.25
No	101	54.6	172	59.9	
Yes	84	45.4	115	40.1	
<i>In utero</i> maternal smoking †					0.06
No	189	97.9	271	94.5	
Yes	4	2.1	16	5.5	

*Atopy is defined as allergic rhinitis or atopic eczema.

†Number of subjects does not add up to total N because of missing data.