

Title

Asthma, Rhinoconjunctivitis, Eczema, and the Association with Perinatal Anthropometric Factors in Vietnamese Children

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Table S1. Crude odds ratios of asthma, rhinoconjunctivitis, and eczema for each characteristic.

Characteristics (n=1202)		Total number (%)	Asthma crude OR (95% CI)	Rhinoconjunctivitis crude OR (95% CI)	Eczema crude OR (95% CI)
Demographics					
Sex	Male	610 (50.8)	1.00 (0.60-1.68)	1.10 (0.77-1.57)	1.58 (0.99-2.52)
	Female	592 (49.3)	1.00	1.00	1.00
Body weight					
	25kg or more	568 (47.3)	1.08 (0.65-1.82)	1.25 (0.88-1.78)	1.07 (0.68-1.68)
	less than 25kg	634 (52.8)	1.00	1.00	1.00
Perinatal information					
Mode of delivery					
	Vaginal	688 (57.2)	1.00	1.00	1.00
	Caesarean section	514 (42.8)	1.41 (0.84-2.36)	1.14 (0.80-1.63)	0.89 (0.56-1.41)
Birthweight					
	>=2500g	1175 (97.8)	1.00	1.00	1.00
	<2500g	27 (2.3)	2.41 (0.70-8.23)	1.35 (0.46-3.97)	4.25 (1.67-10.85)
Family history					
Mother's age at child's birth					
	24 years or less	312 (26.0)	1.00	1.00	1.00
	25-34 years	728 (60.6)	1.24 (0.66-2.31)	1.64 (1.05-2.57)	1.92 (1.03-3.56)
	35 years or more	162 (13.5)	0.96 (0.38-2.43)	0.92 (0.46-1.83)	1.68 (0.73-3.83)
(n=1201)	Maternal history of asthma and allergic diseases				
	Yes	96 (8.0)	2.40 (1.18-4.90)	1.75 (1.00-3.05)	2.69 (1.45-4.99)
	No	1105 (92.0)	1.00	1.00	1.00
(n=1201)	Maternal history of asthma				
	Yes	12 (1.0)	3.83 (0.82-17.88)	1.55 (0.34-7.14)	1.28 (0.16-10.02)
	No	1189 (99.0)	1.00	1.00	1.00
(n=1201)	Maternal history of atopic eczema				
	Yes	13 (1.1)	5.84 (1.57-21.81)	0.64 (0.08-4.95)	4.33 (1.17-16.05)
	No	1188 (98.9)	1.00	1.00	1.00
(n=1201)	Maternal history of rhinitis				
	Yes	76 (6.3)	1.34 (0.52-3.46)	2.00 (1.10-3.63)	2.59 (1.31-5.13)
	No	1125 (93.7)	1.00	1.00	1.00
(n=1191)	Paternal history of asthma and allergic diseases				
	Yes	47 (4.0)	0.83 (0.20-3.52)	2.15 (1.04-4.42)	3.58 (1.67-7.69)
	No	1144 (96.1)	1.00	1.00	1.00
(n=1191)	Paternal history of asthma				

	Yes	9 (0.8)	2.38 (0.29-19.34)	0.95 (0.12-7.68)	NA
	No	1182 (99.2)	1.00	1.00	1.00
(n=1191)	Paternal history of atopic eczema				
	Yes	5 (0.4)	4.78 (0.53-43.40)	1.91 (0.21-17.25)	3.50 (0.39-31.72)
	No	1186 (99.6)	1.00	1.00	1.00
(n=1191)	Paternal history of rhinitis				
	Yes	33 (2.8)	NA	2.53 (1.12-5.73)	4.83 (2.10-11.08)
	No	1158 (97.2)	1.00	1.00	1.00
Socioeconomic status					
(n=1157)	Wealth level				
	Low	386 (33.4)	1.00	1.00	1.00
	Middle	386 (33.4)	1.00 (0.51-1.95)	1.16 (0.75-1.81)	1.90 (1.03-3.49)
	High	385 (33.3)	1.18 (0.62-2.25)	1.14 (0.73-1.77)	1.97 (1.07-3.61)
(n=1201)	Maternal education level				
	No or primary school	152 (12.7)	1.00	1.00	1.00
	Secondary school	403 (33.5)	1.45 (0.53-3.97)	0.84 (0.47-1.52)	0.74 (0.36-1.52)
	High school	399 (33.2)	1.72 (0.64-4.62)	0.90 (0.50-1.61)	0.88 (0.44-1.78)
	College or university	248 (20.6)	1.89 (0.67-5.32)	1.26 (0.69-2.32)	0.80 (0.37-1.75)
Environmental status					
	Number of siblings				
	0	276 (23.0)	1.00	1.00	1.00
	1	781 (65.0)	1.55 (0.77-3.13)	1.53 (0.97-2.40)	1.06 (0.60-1.88)
	2	112 (9.3)	1.51 (0.53-4.25)	0.45 (0.17-1.20)	1.33 (0.57-3.08)
	3+	33 (2.8)	1.72 (0.36-8.19)	NA	1.52 (0.42-5.50)
	Vigorous physical activity				
	Never or occasionally	1023 (85.1)	1.00	1.00	1.00
	Once or twice per week	130 (10.8)	0.61 (0.22-1.70)	0.48 (0.23-1.01)	0.51 (0.20-1.29)
	Three or more times a week	49 (4.1)	2.66 (1.08-6.54)	1.22 (0.54-2.77)	0.27 (0.04-1.96)
	Watch television				
	Less than 1 hour	199 (16.6)	1.00	1.00	1.00
	1 hour but less than 3 hours	672 (55.9)	1.64 (0.72-3.74)	0.86 (0.53-1.41)	0.96 (0.53-1.76)
	3 hours but less than 5 hours	189 (15.7)	0.90 (0.30-2.73)	0.91 (0.49-1.70)	0.40 (0.15-1.06)
	5 hours or more	142 (11.8)	2.08 (0.77-5.60)	1.34 (0.72-2.49)	0.93 (0.40-2.13)
	Fuel for cooking				
	Electricity	84 (7.0)	1.00	1.00	1.00

Gas	1078 (89.7)	0.90 (0.21-3.84)	1.67 (0.71-3.92)	1.43 (0.51-4.02)
Open fires	7 (0.6)	NA	2.17 (0.22-21.06)	NA
Others	33 (2.8)	NA	4.16 (1.32-13.14)	2.76 (0.65-11.76)
Paracetamol use in the first 12 months of life				
Yes	1049 (87.3)	2.93 (0.91-9.46)	1.22 (0.69-2.15)	1.02 (0.52-2.03)
No	153 (12.7)	1.00	1.00	1.00
Paracetamol use in the past 12 months				
Never	267 (22.2)	1.00	1.00	1.00
at least once a year	767 (63.8)	3.42 (1.35-8.69)	1.80 (1.08-3.01)	0.98 (0.55-1.74)
at least once per month	168 (14.0)	2.97 (0.98-9.01)	2.39 (1.28-4.47)	1.44 (0.70-2.97)
Antibiotics in the first 12 months				
Yes	876 (72.9)	2.56 (1.20-5.44)	1.46 (0.95-2.24)	1.05 (0.63-1.76)
No	326 (27.1)	1.00	1.00	1.00
Trucks pass through the street				
Never	512 (42.6)	1.00	1.00	1.00
Seldom	324 (27.0)	1.06 (0.57-1.95)	0.90 (0.59-1.39)	0.96 (0.56-1.67)
Frequently through the day	279 (23.2)	0.74 (0.36-1.51)	0.78 (0.49-1.25)	0.75 (0.40-1.40)
Almost the whole day	87 (7.2)	1.10 (0.41-2.93)	0.81 (0.39-1.69)	1.16 (0.50-2.69)
Breast feeding				
Yes	1.152 (95.8)	0.83 (0.25-2.75)	2.08 (0.64-6.77)	0.81 (0.28-2.32)
No	50 (4.2)	1.00	1.00	1.00
Cat or dog in home in the first year of life				
Yes	333 (27.7)	1.01 (0.57-1.79)	1.12 (0.76-1.65)	0.69 (0.40-1.19)
No	869 (72.3)	1.00	1.00	1.00
Cat or dog in home in the past 12 months				
Yes	335 (27.9)	1.00 (0.56-1.78)	1.11 (0.75-1.63)	1.12 (0.68-1.83)
No	967 (72.1)	1.00	1.00	1.00
Contact with farm animals in the first year of life				
Yes	77 (6.4)	1.03 (0.36-2.91)	0.64 (0.27-1.49)	0.55 (0.17-1.79)
No	1125 (93.6)	1.00	1.00	1.00
Mother regular contact with farm animals				
Yes	110 (9.2)	0.32 (0.08-1.35)	1.14 (0.63-2.06)	1.46 (0.73-2.92)
No	1092 (90.9)	1.00	1.00	1.00
Living in urban communes				
Yes	768 (63.9)	1.37 (0.78-2.41)	1.03 (0.71-1.49)	1.53 (0.92-2.54)
No	434 (36.1)	1.00	1.00	1.00
Mother smoke				

Yes	6 (0.5)	3.79 (0.44-32.92)	1.55 (0.18-13.33)	2.83 (0.33-24.50)
No	1196 (99.5)	1.00	1.00	1.00
Mother smoke during child's first year of life				
Yes	7 (0.6)	3.50 (0.37-26.61)	1.29 (0.15-10.77)	NA
No	1195 (99.4)	1.00	1.00	1.00
Father smoke				
Yes	629 (52.3)	0.71 (0.42-1.19)	0.93 (0.65-1.33)	1.32 (0.83-2.09)
No	573 (47.7)	1.00	1.00	1.00
Father smoke during mother's pregnancy				
Yes	684 (56.9)	0.67 (0.35-1.29)	0.64 (0.45-0.91)	1.52 (0.94-2.46)
No	518 (43.1)	1.00	1.00	1.00
Smoker(s) in household				
Yes	685 (57.0)	0.88 (0.53-1.48)	1.05 (0.73-1.50)	1.52 (0.94-2.46)
No	517 (43.0)	1.00	1.00	1.00

OR, odds ratio; 95% CI, 95% confidence interval