

Supplementary Table S1. Associated factors for asthma among 195,847 Korean adolescents from 2015 to 2017

	Crude		Adjusted	
	OR (95% CI)	p-value	OR (95% CI)	p-value
Sex				
Female	Reference		Reference	
Male	1.35 (1.30-1.40)	<0.001	1.42 (1.67-1.48)	<0.001
Grade				
Middle school	1.09 (1.04-1.13)	<0.001	1.17 (1.12-1.22)	<0.001
High school	Reference		Reference	
Subjective economic state				
High	Reference		Reference	
Middle	0.90 (0.86-0.93)	<0.001	0.92 (0.88-0.96)	<0.001
Low	1.08 (1.02-1.14)	0.004	1.03 (0.97-1.09)	0.352
Academic achievement				
High	Reference		Reference	
Middle	0.91 (0.87-0.95)	<0.001	0.93 (0.89-0.97)	0.001
Low	0.93 (0.89-0.97)	<0.001	0.88 (0.85-0.92)	<0.001
Current drinking				
No	Reference		Reference	
Yes	1.11 (1.06-1.16)	<0.001	1.04 (0.99-1.10)	0.129
Current smoking				
No	Reference		Reference	
Yes	1.26 (1.18-1.35)	<0.001	1.10 (1.02-1.19)	0.019
Subjective healthiness				
Healthy	Reference		Reference	
Average	1.39 (1.34-1.45)	<0.001	1.45 (1.39-1.51)	<0.001
Unhealthy	1.96 (1.84-2.08)	<0.001	1.98 (1.85-2.11)	<0.001
Subjective happiness				
Happy	Reference		Reference	
Average	1.06 (1.02-1.10)	0.002	0.94 (0.90-0.98)	0.004
Unhappy	1.38 (1.30-1.47)	<0.001	1.00 (0.94-1.07)	0.991
Perceived stress				
Often	1.29 (1.23-1.35)	<0.001	1.24 (1.17-1.31)	<0.001
Sometimes	1.08 (1.03-1.13)	0.002	1.10 (1.05-1.15)	<0.001
Never	Reference		Reference	
Sleep satisfaction				
Plenty	Reference		Reference	
A little	0.99 (0.94-1.03)	0.537	0.98 (0.94-1.03)	0.481
Not enough	1.08 (1.03-1.12)	0.001	1.02 (0.98-1.07)	0.322
EC use				
No	Reference		Reference	
Yes	1.23 (1.16-1.30)	<0.001	1.07 (1.01-1.15)	0.002

Following the selection of significant covariates, univariate and multivariate logistic regression analysis were performed to identify the associated factors for asthma. Odds ratios (OR), adjusted ORs (aORs), and confidence intervals at the 95% level (95% CIs) were obtained. EC: electronic cigarette.

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