Supplementary Material 4. Sensitivity analysis with lower cut-off level of the urine cotinine for active smoking (50 ng/mL) in the association of tobacco exposure with abnormal blood pressure in 2,518 participants aged 13–18 years from 2011-2020 Korea National Health and Nutrition Examination Surveys

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| --- | --- | --- | --- |
|  | Elevated Blood Pressure (n=133) a |  | Hypertension (n=84) b |
| Exposure Status f | Model 1c | Model 2d | Model 3e |  | Model 1c | Model 2d | Model 3e |
| No Tobacco Exposure(n=2090)Any Tobacco g Exposure(n=428)  |  1 (ref)1.07(0.50-2.28) | 1 (ref)1.65(0.75-3.65) | 1 (ref)1.93(0.86-4.32) |  | 1 (ref)1.48(0.59-3.71) | 1 (ref)2.16(0.83-5.63) | 1 (ref)2.35(0.88-6.27) |
| Passive Tobacco Exposure (n=128)Active Smoking(n=300) | 0.96(0.21-4.50)1.13(0.52-2.45) | 1.17(0.24-5.67)1.90(0.85-4.24) | 1.11(0.27-4.60)2.39(1.00-5.72) |  | 0.81(0.15-4.47)1.81(0.68-4.47) | 0.97(0.17-5.57)2.88(1.06-7.84) | 0.88(0.17-4.49)3.38(1.17-9.75) |

a SBP/DBP is defined as greater than 120/80mmHg.

b SBP/DBP is defined as greater than 130/80mmHg.

c unadjusted

d Adjusted for age and sex

e Adjusted for age, sex, BMI, economic status, family smoking, stress, family history of hypertension-father and mother.

f No tobacco exposure is defined as urine cotinine level is below 5ng/ml, Passive Tobacco exposure is defined as urine cotinine is more than or equal to 5ng/ml and less than 50ng/ml, Active Smoking is defined as urine cotinine is more than or equal to 50ng/ml

g Reference category was no tobacco exposure.