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.