Supplemental Table 1. Multivariate linear regression analysis according to PTA

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Model | Factor | B Value | S.E. | Standard B Value | R2 | P | B (95% CI) | VIF |
| Model 1 | baPWV | 0.53 | 0.04 | 0.13 | 0.017 | <0.001 | 0.45 to 0.60 | 1 |
| Model 2 | baPWV | 0.14 | 0.04 | 0.04 | 0.094 | <0.001 | 0.07 to 0.22 | 1.12 |
| Model 3 | baPWV | 0.13 | 0.05 | 0.03 | 0.098 | 0.007 | 0.04 to 0.23 | 1.41 |

*Note* Model 1: PTA was defined as the dependent variable, and baPWV was defined as an independent variable for multivariate linear regression analysis; Model 2: Age was adjusted and added to model 1; Model 3: systolic blood pressure, fasting blood glucose, total cholesterol, body mass index, smoking, alcohol consumption, physical exercise, and noise exposure were adjusted and added to model 2.

Supplemental Table 2. Multivariate linear regression analysis of the PTA in different age subgroups

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Model | Factor | Age < 45 (n=5,478) | P |  | Age ≥ 45 (n=5,663) | P |
| B (95% CI) |  | B (95% CI) |
| Model 1 | baPWV | 0.16 (0.09 to 0.22) | <0.001 |  | 0.14 (0.02 to 0.26) | 0.026 |
| Model 2 | baPWV | 0.18 (0.10 to 0.27) | <0.001 |  | 0.10 (−0.07 to 0.26) | 0.250 |

*Note* Model 1: Multivariate linear regression analysis was conducted after age stratification (young subgroup: age <45, non-young subgroup: age ≥ 45), with PTA defined as the dependent variable and baPWV defined as the independent variable. Model 2: fasting blood glucose, total cholesterol, BMI, smoking, alcohol consumption, physical exercise, and noise exposure were adjusted.