**S6 Table Sensitivity analysis: associations of cognitive function with *APOE* ε4 genotype and lifestyle profiles: using BMI instead of body weight to build the healthy lifestyle score (N=4,126)**

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| --- | --- |
|  | **Logistic regression, OR of cognitive impairment** |
|  | **Unadjusted model** | ***P* value** | **Adjusted model\*** | ***P* value** |
| **Lifestyle profile** |  |  |  |  |
|  Unhealthy | *Reference* |  | *Reference* |  |
|  Intermediate | 0.84 (0.72, 0.97) | 0.019 | 0.74 (0.62, 0.87) | <0.001 |
|  Healthy | 0.41 (0.33, 0.52) | <0.001 | 0.43 (0.33, 0.56) | <0.001 |

Model was adjusted for age at baseline, sex, residency, education level, marital status, *APOE* genotype, lifestyle profile, activity of daily living and seven kinds of self-reported disease (chronic obstructive pulmonary disease (COPD), tuberculosis, all-cause cancer, diabetes, hypertension, stroke and cardiovascular disease).