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| **Supplemental Material 2. Sensitivity analysis on dose-response relationship using varying normal sleeping duration definitions** |
|  | **Normal sleep: 6-8 h daily1** | **Normal sleep: 7-9 h daily2** | **Normal sleep: 6-9 h daily3** |
|  | **OR (95% CI)** | **OR (95% CI)** | **OR (95% CI)** |
| **Q4 (Highest thiamine intake)** | Reference | Reference | Reference |
| **Q3** | 1.10 (0.89-1.36) | **1.55 (1.05-2.27)** | **1.60 (1.09-2.34)** |
| **Q2** | 1.24 (0.99-1.54) | **1.74 (1.16-2.60)** | **1.74 (1.16-2.59)** |
| **Q1 (Lowest thiamine intake)** | **1.51 (1.18-1.93)** | **2.06 (1.35-3.15)** | **2.11 (1.38-3.22)** |
| Q, quartile; OR, odds ratio; CI, confidence interval; h, hours. |
| Bold numerical values indicate statistically significant outcomes.  |
| Fully adjusted models were used in all analyses (adjusted for age, sex, socioeconomic factors, health status, and nutritional intake). |
| 1Insufficient sleep (N=1,880), normal sleep (N=12,125), oversleep (N=1,379) |
| 2Insufficient sleep (N=6,131), normal sleep (N=8,814), oversleep (N=439) |
| 3Insufficient sleep (N=1,880), normal sleep (N=13,065), oversleep (N=439) |