**Supplementary Material 5. Sensitivity analysis of associations between time spent on playing Internet game and lack of moderate intensity physical exercise (n=1,721)**

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| **Internet** |  |  |  |  |  |
| **game** | Criteria | n (%) | Lack of exercise a | Crude | Adjusted c |
|  | (min) |  | n(%) b | OR (95% CI) | aOR (95% CI) |
| Boys | None | 114 (11.0) | 40 (35.1) | 1 | 1 |
| (n=1,039) | 0 to < 60 | 179 (17.2) | 65 (36.3) | 1.06 (0.65-1.72) | 1.10 (0.67-1.81) |
|  | 60 to < 90 | 236 (22.7) | 93 (39.4) | 1.20 (0.76-1.92) | 1.21 (0.76-1.94) |
|  | 90 to < 150 | 266 (25.6) | 111 (41.7) | 1.33 (0.84-2.09) | 1.29 (0.81-2.05) |
| 　 | ≥ 150 | 244 (23.5) | 114 (46.7) | 1.62 (1.03-2.57) \* | 1.61 (1.01-2.59) \* |
| Girls | None | 231 (33.9) | 162 (70.1) | 1 | 1 |
| (n=682) | 0 to < 30 | 107 (15.7) | 79 (73.8) | 1.20 (0.72-2.01) | 1.21 (0.72-2.04) |
|  | 30 to < 60 | 93 (13.6) | 72 (77.4) | 1.46 (0.83-2.56) | 1.41 (0.80-2.48) |
|  | 60 to < 120 | 128 (18.8) | 97 (75.8) | 1.33 (0.81-2.18)  | 1.31 (0.79-2.16) |
| 　 | ≥ 120 | 123 (18.0) | 94 (76.4) | 1.38 (0.84-2.28) | 1.36 (0.81-2.29) |

\* : *p* < .05 \*\* : *p* < .01 \*\*\* : *p* < .001

a < participating in moderate intensity physical exercise on 2 days of the week (more than 30 minutes at a time)

b n (%) for lack of exercise within the level of time spent on media

c Adjusted for maternal educational level, aggression(AQ), children's depression(CDI), state anxiety(SAIC), and time spent on private tutoring.