Supplemental Material 3. The prevalence odds ratios of the decreased physical activity among combined COVID-19-related family economic hardship and subjective family economic status categories for Korean adolescents.

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| --- | --- | --- | --- | --- |
|  |  | Boys |  | Girls |
| COVID-19-related family economic hardship | Subjective family economic status | N | Prevalence (%) | Crude POR(95 % CI) | Adjusted POR(95 % CI) |  | N | Prevalence (%) | Crude POR(95 % CI) | Adjusted POR(95 % CI) |
| Total |  | 22823 | 43.1 |  |  |  | 22085 | 57.3 |  |  |
| No | High | 4150 | 41.9 | 1 | 1 |  | 3716 | 56.3 | 1 | 1 |
|  | Middle | 2507 | 38.6 | 0.86 (0.77‒0.96) | 0.85 (0.76‒0.94) |  | 2385 | 52.5 | 0.85 (0.76‒0.95) | 0.86 (0.77‒0.96) |
|  | Low | 255 | 40.0 | 0.90 (0.67‒1.22) | 0.86 (0.63‒1.16) |  | 144 | 50.4 | 0.77 (0.54‒1.10) | 0.74 (0.52‒1.07) |
| Not so much | High | 3372 | 45.3 | 1.15 (1.03‒1.27) | 1.13 (1.02‒1.25) |  | 3175 | 58.0 | 1.07 (0.97‒1.18) | 1.07 (0.97‒1.18) |
|  | Middle | 4843 | 42.3 | 1.00 (0.91‒1.11) | 0.96 (0.87‒1.06) |  | 5568 | 56.6 | 1.00 (0.91‒1.09) | 1.00 (0.91‒1.09) |
|  | Low | 762 | 39.7 | 0.89 (0.74‒1.06) | 0.83 (0.69‒0.99) |  | 717 | 56.4 | 0.97 (0.81‒1.17) | 0.97 (0.81‒1.17) |
| Moderate | High | 1567 | 45.1 | 1.14 (0.99‒1.31) | 1.12 (0.98‒1.29) |  | 1091 | 60.1 | 1.17 (1.02‒1.34) | 1.18 (1.03‒1.36) |
|  | Middle | 3069 | 45.0 | 1.12 (1.01‒1.25) | 1.07 (0.96‒1.19) |  | 3238 | 59.8 | 1.13 (1.02‒1.26) | 1.13 (1.01‒1.26) |
|  | Low | 1021 | 44.7 | 1.09 (0.94‒1.27) | 1.03 (0.89‒1.20) |  | 1035 | 60.3 | 1.14 (0.96‒1.35) | 1.13 (0.95‒1.35) |
| Severe | High | 305 | 39.4 | 0.90 (0.7‒1.17) | 0.89 (0.68‒1.15) |  | 171 | 56.2 | 1.00 (0.69‒1.43) | 1.00 (0.70‒1.43) |
|  | Middle | 491 | 51.9 | 1.47 (1.21‒1.79) | 1.42 (1.16‒1.73) |  | 444 | 63.9 | 1.34 (1.07‒1.68) | 1.32 (1.05‒1.66) |
|  | Low | 481 | 49.0 | 1.30 (1.05‒1.60) | 1.22 (0.98‒1.51) |  | 401 | 62.5 | 1.25 (1.01‒1.55) | 1.24 (1.00‒1.54) |

Crude POR: adjusted prevalence odds ratio for grades

Adjusted POR: adjusted prevalence odds ratio for grades, residential area, co-residence with parents, subjective health status, depression status, average smartphone usage time per day, average time spent sitting down per day, subjective family economic status, COVID-19-related family economic hardship