Supplemental Material 5. Interaction between COVID-19-related family economic hardship and subjective family economic status categories on the risk of the increased breakfast skipping, decreased physical activity, and increased alcohol drinking among Korean adolescentsAdjusted POR (95 % CI)

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| --- | --- | --- | --- |
|  |  | Subjective family economic status | *P* for interaction |
|  | COVID-19-related family economic hardship | High | Middle | Low |
| Skipping breakfast increase |  |  |  |  |
| Boys |  |  |  |  |
|  | No | 1 | 0.88 (0.74-1.06) | 1.12 (0.71-1.76) | p=0.6003 |
| Not so much | 1.16 (0.99‒1.34) | 1.01 (0.86‒1.18) | 1.16 (0.89‒1.52) |  |
| Moderate | 1.25 (1.05‒1.49) | 1.37 (1.18‒1.59) | 1.43 (1.14‒1.78) |  |
| Severe | 1.63 (1.16‒2.30) | 1.77 (1.36‒2.30) | 1.87 (1.42‒2.47) |  |
| Girls |  |  |  |  |  |
|  | No | 1 | 0.97 (0.81‒1.16) | 0.89 (0.49‒1.65) | p=0.0245 |
| Not so much | 1.18 (1.00‒1.39) | 0.98 (0.84‒1.14) | 1.10 (0.85‒1.42) |  |
| Moderate | 1.47 (1.18‒1.84) | 1.27 (1.08‒1.49) | 1.23 (0.96‒1.58) |  |
| Severe | 1.86 (1.17‒2.94) | 1.05 (0.77‒1.43) | 2.29 (1.71‒3.08) |  |
| Decreased physical activity |  |  |  |  |
| Boys |  |  |  |  |  |
|  | No | 1 | 0.85 (0.76‒0.94) | 0.86 (0.63‒1.16) | p=0.0063 |
| Not so much | 1.13 (1.02‒1.25) | 0.96 (0.87‒1.06) | 0.83 (0.69‒0.99) |  |
| Moderate | 1.12 (0.98‒1.29) | 1.07 (0.96‒1.19) | 1.03 (0.89‒1.20) |  |
| Severe | 0.89 (0.68‒1.15) | 1.42 (1.16‒1.73) | 1.22 (0.98‒1.51) |  |
| Girls |  |  |  |  |  |
|  | No | 1 | 0.86 (0.77‒0.96) | 0.74 (0.52‒1.07) | p=0.4347 |
| Not so much | 1.07 (0.97‒1.18) | 1.00 (0.91‒1.09) | 0.97 (0.81‒1.17) |  |
| Moderate | 1.18 (1.03‒1.36) | 1.13 (1.01‒1.26) | 1.13 (0.95‒1.35) |  |
| Severe | 1.00 (0.70‒1.43) | 1.32 (1.05‒1.66) | 1.24 (1.00‒1.54) |  |
| Increased alcohol drinking |  |  |  |  |
| Boys |  |  |  |  |  |
|  | No | 1 | 1.01 (0.67‒1.54) | 1.45 (0.62‒3.40) | p=0.1073 |
| Not so much | 0.72 (0.47‒1.10) | 1.18 (0.83‒1.68) | 0.52 (0.24‒1.15) |  |
| Moderate | 1.50 (0.95‒2.38) | 1.20 (0.86‒1.67) | 1.41 (0.83‒2.38) |  |
| Severe | 1.53 (0.64‒3.66) | 1.25 (0.63‒2.46) | 1.70 (0.99‒2.90) |  |
| Girls |  |  |  |  |  |
|  | No | 1 | 0.97 (0.81‒1.16) | 0.89 (0.49‒1.65) | p=0.8246 |
| Not so much | 1.18 (1.00‒1.39) | 0.98 (0.84‒1.14) | 1.10 (0.85‒1.42) |  |
| Moderate | 1.47 (1.18‒1.84) | 1.27 (1.08‒1.49) | 1.23 (0.96‒1.58) |  |
| Severe | 1.86 (1.17‒2.94) | 1.05 (0.77‒1.43) | 2.29 (1.71‒3.08) |  |