Table X

Test for Treatment by Time by Moderator (Sex, Age, or Risk Count at Baseline) 3-Way Interaction

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Sex | | |  | Age | | |  | Number of Risk Domains at Baseline | | |
| Outcome | *df* | *χ2* | *p* |  | *df* | *χ2* | *p* |  | *df* | *χ2* | *p* |
| *Sleep and Circadian Outcomes* |  |  |  |  |  |  |  |  |  |  |  |
| TST weeknights\* | 2 | 1.81 | 0.40 |  | 2 | 1.17 | 0.56 |  | 2 | 0.68 | 0.71 |
| BT weeknights\* | 2 | 2.13 | 0.35 |  | 2 | 15.19 | 0.0005\*\* |  | 2 | 0.13 | 0.94 |
| TST weeknight-weekend discrepancy | 2 | 1.49 | 0.47 |  | 2 | 0.05 | 0.98 |  | 2 | 0.90 | 0.64 |
| BT weeknight-weekend discrepancy | 2 | 3.81 | 0.15 |  | 2 | 6.78 | 0.04 |  | 2 | 0.29 | 0.86 |
| WUP weeknight-weekend discrepancy | 2 | 2.01 | 0.37 |  | 2 | 2.47 | 0.29 |  | 2 | 0.86 | 0.65 |
| Sleepiness | 2 | 3.96 | 0.14 |  | 2 | 3.52 | 0.17 |  | 2 | 4.44 | 0.11 |
| PSQI | 2 | 2.66 | 0.26 |  | 2 | 3.28 | 0.19 |  | 2 | 0.09 | 0.96 |
| CBCL Sleep Composite | 2 | 2.73 | 0.26 |  | 2 | 0.34 | 0.84 |  | 2 | 3.02 | 0.22 |
| CMEP\* | 2 | 0.20 | 0.90 |  | 2 | 0.33 | 0.85 |  | 2 | 8.14 | 0.02 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| *Youth Self-Report Composite Risk Scores* |  |  |  |  |  |  |  |  |  |  |  |
| Emotional domain | 2 | 0.08 | 0.96 |  | 2 | 5.95 | 0.05 |  | 2 | 0.85 | 0.65 |
| Cognitive domain | 2 | 3.74 | 0.15 |  | 2 | 1.00 | 0.61 |  | 2 | 3.42 | 0.18 |
| Behavioral domain | 2 | 0.28 | 0.87 |  | 2 | 1.08 | 0.58 |  | 2 | 12.27 | 0.0022\*\* |
| Social domain | 2 | 2.64 | 0.27 |  | 2 | 4.83 | 0.09 |  | 2 | 2.49 | 0.29 |
| Physical domain | 2 | 1.40 | 0.50 |  | 2 | 0.64 | 0.72 |  | 2 | 0.60 | 0.74 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| *Parent-Report Composite Risk Scores* |  |  |  |  |  |  |  |  |  |  |  |
| Emotional domain | 2 | 1.07 | 0.59 |  | 2 | 0.03 | 0.99 |  | 2 | 4.16 | 0.13 |
| Cognitive domain | 2 | 2.01 | 0.37 |  | 2 | 0.84 | 0.66 |  | 2 | 3.02 | 0.22 |
| Behavioral domain | 2 | 1.24 | 0.54 |  | 2 | 0.18 | 0.91 |  | 2 | 3.93 | 0.14 |
| Social domain | 2 | 1.57 | 0.46 |  | 2 | 0.65 | 0.72 |  | 2 | 2.26 | 0.32 |
| Physical domain | 2 | 3.14 | 0.21 |  | 2 | 1.78 | 0.41 |  | 2 | 3.26 | 0.20 |

*Notes.* \*indicates primary outcomes of the RCT. The corrected significance level is 0.0026 based on either Hochberg (1988), Benjamin & Hochberg (1995), or Bonferroni correction for multiple testing for each set of analysis. \*\*indicates significant *p*-values after correction for multiplicity.