**Table S1: Common primary caregivers’ birth countries (n=1521)**

|  |  |  |
| --- | --- | --- |
| **Nationalities** | **Number** | **Percentage** |
| Switzerland | 744 | 48.9% |
| Serbia-Montenegro | 103 | 6.8% |
| Portugal | 88 | 5.8% |
| Sri Lanka | 82 | 5.4% |
| Germany | 57 | 3.7% |
| Italy | 54 | 3.6% |
| Turkey | 52 | 3.4% |

**Table S2: Descriptive statistics**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Constructs | *n* | *M* | *SD* | Minimum | Maximum |
| Age 11 Videogames | 1129 | 1.02 | 0.89 | 1 | 5 |
| Age 13 Videogames | 1353 | 1.24 | 1.13 | 1 | 5 |
| Age 15 Videogames | 1440 | 1.05 | 1.15 | 1 | 5 |
| Age 17 Videogames | 1293 | 0.80 | 1.11 | 1 | 5 |
| Age 11 Chatting/surfing | 1131 | 0.73 | 0.85 | 1 | 5 |
| Age 13 Chatting/surfing | 1349 | 1.65 | 1.09 | 1 | 5 |
| Age 15 Chatting/surfing | 1440 | 2.00 | 1.17 | 1 | 5 |
| Age 17 Chatting/surfing | 1291 | 2.33 | 1.12 | 1 | 5 |
| Age 11 TV/DVDs | 1131 | 1.48 | 0.92 | 1 | 5 |
| Age 13 TV/DVDs | 1350 | 1.83 | 1.02 | 1 | 5 |
| Age 15 TV/DVDs | 1441 | 1.85 | 1.04 | 1 | 5 |
| Age 17 TV/DVDs | 1290 | 1.51 | 1.04 | 1 | 5 |
| Age 20 Depression | 1180 | 2.40 | 0.85 | 1 | 5 |
| Age 20 Anxiety | 1180 | 2.40 | 0.92 | 1 | 5 |
| Age 20 Self-injury | 1180 | 1.13 | 0.48 | 1 | 5 |
| Age 20 Suicidal ideation | 1178 | 1.30 | 0.71 | 1 | 5 |
| Age 20 Aggression | 1180 | 1.43 | 0.36 | 1 | 3.78 |
| Age 20 Tobacco use | 1177 | 3.68 | 1.92 | 1 | 6 |
| Age 20 Cannabis use | 1178 | 2.55 | 1.67 | 1 | 6 |
| Age 20 Delinquency | 1179 | 0.90 | 0.95 | 0 | 6 |

**Table S3: Comparison of age 20 outcomes by trajectory class based on parallel-process LCGA controlling for sex (Adjusting for baseline level)**

|  |  |
| --- | --- |
|  | Outcome means (SE) by class |
| **Age 20 outcomes** | low-screen use (c1) | increasing chatting/surfing (c2) | moderate-screen use(c3) | early-adolescence screen use (c4) | increasing videogame and chatting/surfing (c5) |
| **Outcomes’ mean at age 20** |  |  |  |  |  |
| Depression (range: 1-5) | 2.36 (.05) | 2.60 (.07) | 2.23 (.05) | 2.37 (.12) | 2.42 (.08) |
| Anxiety (range: 1-5) | 2.42 (.05) | 2.78 (.08) | 2.05 (.06) | 2.28 (.12) | 2.28 (.09) |
| Self-injury (range: 1-5) | 1.12 (.02) | 1.08 (.03) | 1.08 (.03) | 1.19 (.07) | 1.27 (.07) |
| Suicidal ideation (range: 1-5) | 1.26 (.04) | 1.32 (.06) | 1.25 (.05) | 1.26 (.10) | 1.51 (.09) |
| Aggression (range: 1-5) | 1.34 (.02) | 1.48 (.03) | 1.43 (.03) | 1.57 (.05) | 1.56 (.05) |
| Tobacco use (range: 1-6) | 3.24 (.11) | 4.04 (.13) | 3.67 (.15) | 4.72 (.20)  | 3.64 (.20) |
| Cannabis use (range: 1-6) | 2.42 (.09) | 2.27 (.12) | 2.88 (.14) | 3.13 (.23) | 2.59 (.17) |
| Delinquency (range: 0-7) | .81 (.05) | .79 (.07) | 1.09 (.07) | 1.17 (.14) | .94 (.11) |
| **Standardized residuals after adjusting for baseline levels of outcomes** |
| Depression | -0.03 (.06) | 0.23 (.09) | -0.16 (.07) | -0.06 (.17) | -0.02 (.11) |
| Anxiety | 0.01 (.06) | 0.36 (.09) | -0.38 (.07) | -0.13 (.17) | -0.02 (.12) |
| Self-injury | -0.01 (.05) | -0.09 (.06) | -0.06 (.07) | 0.03 (.15) | 0.30 (.16) |
| Suicidal ideation | -0.05 (.05) | 0.00 (.08) | -0.03 (.06) | -0.01 (.14) | 0.25 (.13) |
| Aggression | -0.23 (.05) | 0.16 (.08) | 0.03 (.09) | 0.21 (.19) | 0.37 (.16) |
| Tobacco use | -0.18 (.06) | 0.12 (.07) | 0.05 (.08) | 0.29 (.12) | 0.05 (.11) |
| Cannabis use | -0.09 (.05) | -0.10 (.07) | 0.16 (.08) | 0.24 (.14) | 0.07 (.11) |
| Delinquency | -0.08 (.05) | -0.10 (.08) | 0.24 (.09) | -0.04 (.17) | 0.09 (.14) |
| **Wald test *p* value** | c1 vs. c2 | c1 vs. c3 | c1 vs. c4 | c1 vs. c5 | c2 vs. c3 | c2 vs. c4 | c2 vs. c5 | c3 vs. c4 | c3 vs. c5 | c4 vs. c5 |
| Depression | .031\* | .184 | .868 | .905 | **.001\*\*** | .148 | .081 | .593 | .293 | .828 |
| Anxiety | **.004\*\***  | **<.001\*\*\***  | .429  | .807  | **<.001\*\*\***  | .016\*  | .011\* | .171  | .013\*  | .611  |
| Self-injury | .382 | .559 | .787 | .065 | .812 | .477 | .025\* | .565 | .051 | .228 |
| Suicidal ideation | .587  | .736  | .790  | .026\*  | .781  | .921  | .108  | .941  | .067  | .182  |
| Aggression | **<.001\*\*\***  | .020\*  | .021\* | **<.001\*\*\***  | .274  | .819  | .246 | .386 | .081 | .522 |
| Tobacco use | **.002\*\***  | .019\*  | **<.001\*\*\***  | .061  | .498  | .264  | .608  | .105  | .984  | .164  |
| Cannabis use | .973 | .013\* | .023\* | .181 | .023\* | .043\* | .214 | .606 | .533 | .332 |
| Delinquency | .829 | **.005\*\*** | .817 | .268 | .008\*\* | .749 | .248 | .171 | .417 | .578 |

*Note: Bonferroni adjusted α level=.005 (.05/10). Bold values are statistically significant after Bonferroni’s correction. Pairwise comparisons (Wald test) were conducted.*