**Supplementary table 1**. Serial mediation analysis to identify direct and indirect effects of childhood trauma on psychotic-like experiences in the whole sample.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Effect | Path | Coeff. | SE | 95%CI |
| LLCI | ULCI |
| **Emotional abuse**Direct effect of CT on cannabis useDirect effect of CT on cognitive biasesDirect effect of cannabis use on cognitive biasesDirect effect of cannabis use on PLEsDirect effect of cognitive biases on PLEsDirect effect of CT on PLEsTotal indirect effectIndirect effect through cannabis useIndirect effect through cognitive biasesIndirect effect through cannabis use and cognitive biases | a1a2a3b1b2caba1b1a2b2a1a3b2 | 0.9479\*2.4549\*1.2220\*0.7566\*0.2133\*1.6438\*1.48790.71710.52370.2471 | 0.14960.51440.11350.07470.02090.32210.21490.14100.12640.0553 | 0.65431.44540.99930.61000.17231.01151.07760.45460.29020.1490 | 1.24143.46451.44480.90310.25432.27601.92261.00790.78260.3630 |
| **Emotional neglect**Direct effect of CT on cannabis useDirect effect of CT on cognitive biasesDirect effect of cannabis use on cognitive biasesDirect effect of cannabis use on PLEsDirect effect of cognitive biases on PLEsDirect effect of CT on PLEsTotal indirect effectIndirect effect through cannabis useIndirect effect through cognitive biasesIndirect effect through cannabis use and cognitive biases | a1a2a3b1b2caba1b1a2b2a1a3b2 | 1.0533\*2.5978\*1.3830\*0.7414\*0.2531\*1.5138\*1.80730.78100.65760.3687 | 0.14260.46690.09440.07110.02040.32270.23270.14000.14200.0716 | 0.77351.68161.19780.60190.21310.87181.36810.52480.39980.2440 | 1.33313.51141.56820.88100.29322.15592.27551.07390.94490.5183 |
| **Physical abuse**Direct effect of CT on cannabis useDirect effect of CT on cognitive biasesDirect effect of cannabis use on cognitive biasesDirect effect of cannabis use on PLEsDirect effect of cognitive biases on PLEsDirect effect of CT on PLEsTotal indirect effectIndirect effect through cannabis useIndirect effect through cognitive biasesIndirect effect through cannabis use and cognitive biases | a1a2a3b1b2caba1b1a2b2a1a3b2 | 1.0117\*2.0724\*1.2354\*0.7567\*0.2181\*1.4951\*1.73380.77320.58710.3735 | 0.15080.52330.11420.07520.02090.33470.22270.13990.13480.0714 | 0.71581.04531.01120.60920.17710.83831.31900.52170.34130.2465 | 1.30763.09951.45960.90430.25912.15182.18441.07830.86330.5221 |
| **Sexual abuse**Direct effect of CT on cannabis useDirect effect of CT on cognitive biasesDirect effect of cannabis use on cognitive biasesDirect effect of cannabis use on PLEsDirect effect of cognitive biases on PLEsDirect effect of CT on PLEsTotal indirect effectIndirect effect through cannabis useIndirect effect through cognitive biasesIndirect effect through cannabis use and cognitive biases | a1a2a3b1b2caba1b1a2b2a1a3b2 | 1.1046\*2.5705\*1.4177\*0.7506\*0.2572\*1.6629\*1.89310.82910.66120.4028 | 0.17610.57180.09420.07110.02040.39770.29390.16300.17700.0874 | 0.75921.44861.23290.61110.21730.88251.33340.52830.32580.2487 | 1.45003.69241.60260.89010.29722.44332.49021.16541.02850.5922 |
| **Any childhood adversities** Direct effect of CT on cannabis useDirect effect of CT on cognitive biasesDirect effect of cannabis use on cognitive biasesDirect effect of cannabis use on PLEsDirect effect of cognitive biases on PLEsDirect effect of CT on PLEsTotal indirect effectIndirect effect through cannabis useIndirect effect through cognitive biasesIndirect effect through cannabis use and cognitive biases | a1a2a3b1b2caba1b1a2b2a1a3b2 | 1.3333\*2.2634\*1.4289\*0.7445\*0.2600\*1.7817\*2.07630.99260.58840.4935 | 0.19570.64170.09480.07140.02030.44360.28560.17380.16610.0925 | 0.94921.00441.24290.60450.22020.91131.52950.66880.29190.3296 | 1.71733.52241.61500.88450.29982.65212.65621.34310.94160.6947 |

\*p < 0.001