**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 use  Direct effect of CT on cognitive biases  Direct effect of cannabis use on cognitive biases  Direct effect of cannabis use on PLEs  Direct effect of cognitive biases on PLEs  Direct effect of CT on PLEs  Total indirect effect  Indirect effect through cannabis use  Indirect effect through cognitive biases  Indirect effect through cannabis use and cognitive biases | a1  a2  a3  b1  b2  c  ab  a1b1  a2b2  a1a3b2 | 0.9479\*  2.4549\*  1.2220\*  0.7566\*  0.2133\*  1.6438\*  1.4879  0.7171  0.5237  0.2471 | 0.1496  0.5144  0.1135  0.0747  0.0209  0.3221  0.2149  0.1410  0.1264  0.0553 | 0.6543  1.4454  0.9993  0.6100  0.1723  1.0115  1.0776  0.4546  0.2902  0.1490 | 1.2414  3.4645  1.4448  0.9031  0.2543  2.2760  1.9226  1.0079  0.7826  0.3630 |
| **Emotional neglect**  Direct effect of CT on cannabis use  Direct effect of CT on cognitive biases  Direct effect of cannabis use on cognitive biases  Direct effect of cannabis use on PLEs  Direct effect of cognitive biases on PLEs  Direct effect of CT on PLEs  Total indirect effect  Indirect effect through cannabis use  Indirect effect through cognitive biases  Indirect effect through cannabis use and cognitive biases | a1  a2  a3  b1  b2  c  ab  a1b1  a2b2  a1a3b2 | 1.0533\*  2.5978\*  1.3830\*  0.7414\*  0.2531\*  1.5138\*  1.8073  0.7810  0.6576  0.3687 | 0.1426  0.4669  0.0944  0.0711  0.0204  0.3227  0.2327  0.1400  0.1420  0.0716 | 0.7735  1.6816  1.1978  0.6019  0.2131  0.8718  1.3681  0.5248  0.3998  0.2440 | 1.3331  3.5114  1.5682  0.8810  0.2932  2.1559  2.2755  1.0739  0.9449  0.5183 |
| **Physical abuse**  Direct effect of CT on cannabis use  Direct effect of CT on cognitive biases  Direct effect of cannabis use on cognitive biases  Direct effect of cannabis use on PLEs  Direct effect of cognitive biases on PLEs  Direct effect of CT on PLEs  Total indirect effect  Indirect effect through cannabis use  Indirect effect through cognitive biases  Indirect effect through cannabis use and cognitive biases | a1  a2  a3  b1  b2  c  ab  a1b1  a2b2  a1a3b2 | 1.0117\*  2.0724\*  1.2354\*  0.7567\*  0.2181\*  1.4951\*  1.7338  0.7732  0.5871  0.3735 | 0.1508  0.5233  0.1142  0.0752  0.0209  0.3347  0.2227  0.1399  0.1348  0.0714 | 0.7158  1.0453  1.0112  0.6092  0.1771  0.8383  1.3190  0.5217  0.3413  0.2465 | 1.3076  3.0995  1.4596  0.9043  0.2591  2.1518  2.1844  1.0783  0.8633  0.5221 |
| **Sexual abuse**  Direct effect of CT on cannabis use  Direct effect of CT on cognitive biases  Direct effect of cannabis use on cognitive biases  Direct effect of cannabis use on PLEs  Direct effect of cognitive biases on PLEs  Direct effect of CT on PLEs  Total indirect effect  Indirect effect through cannabis use  Indirect effect through cognitive biases  Indirect effect through cannabis use and cognitive biases | a1  a2  a3  b1  b2  c  ab  a1b1  a2b2  a1a3b2 | 1.1046\*  2.5705\*  1.4177\*  0.7506\*  0.2572\*  1.6629\*  1.8931  0.8291  0.6612  0.4028 | 0.1761  0.5718  0.0942  0.0711  0.0204  0.3977  0.2939  0.1630  0.1770  0.0874 | 0.7592  1.4486  1.2329  0.6111  0.2173  0.8825  1.3334  0.5283  0.3258  0.2487 | 1.4500  3.6924  1.6026  0.8901  0.2972  2.4433  2.4902  1.1654  1.0285  0.5922 |
| **Any childhood adversities**  Direct effect of CT on cannabis use  Direct effect of CT on cognitive biases  Direct effect of cannabis use on cognitive biases  Direct effect of cannabis use on PLEs  Direct effect of cognitive biases on PLEs  Direct effect of CT on PLEs  Total indirect effect  Indirect effect through cannabis use  Indirect effect through cognitive biases  Indirect effect through cannabis use and cognitive biases | a1  a2  a3  b1  b2  c  ab  a1b1  a2b2  a1a3b2 | 1.3333\*  2.2634\*  1.4289\*  0.7445\*  0.2600\*  1.7817\*  2.0763  0.9926  0.5884  0.4935 | 0.1957  0.6417  0.0948  0.0714  0.0203  0.4436  0.2856  0.1738  0.1661  0.0925 | 0.9492  1.0044  1.2429  0.6045  0.2202  0.9113  1.5295  0.6688  0.2919  0.3296 | 1.7173  3.5224  1.6150  0.8845  0.2998  2.6521  2.6562  1.3431  0.9416  0.6947 |

\*p < 0.001