**Supplementary Table 4.** Total, direct and indirect effects of RHR on ASB growth factors after taking account of the effect of ASB intercept on ASB half-life and asymptote; showing unstandardised coefficient (95% confidence intervals); *N* = 4,046

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Adjusting for sociodemographic confounders1 | | | Adjusting for all confounders2 | | |
|  | ASB intercept | ASB half-life | ASB asymptote | ASB intercept | ASB half-life | ASB asymptote |
| Total effect | -0.08 (-0.14, -0.02) | -0.13 (-0.48, 0.22) | -0.01 (-0.08, 0.06) | -0.01 (-0.05, 0.04) | -0.05 (-0.35, 0.25) | 0.00 (-0.05, 0.05) |
| Indirect effect via SS | -0.06 (-0.08, -0.04) | -0.01 (-0.06, 0.04) | -0.01 (-0.02, -0.002) | -0.01 (-0.03, -0.003) | -0.00 (-0.03, 0.02) | -0.002 (-0.01, 0.002) |
| Indirect effect via CU | 0.00 (-0.01, 0.01) | 0.00 (-0.004,0.003) | 0.00 (-0.002, 0.001) | -0.00 (-0.01, 0.01) | 0.00 (-0.004, 0.003) | 0.00 (-0.002, 0.001) |
| Direct effect | -0.02 (-0.08, 0.04) | -0.22 (-0.59, 0.16) | 0.02 (-0.05, 0.09) | 0.01 (-0.04, 0.05) | -0.06 (-0.34, 0.22) | 0.004 (-0.05, 0.05) |

Note: ASB: antisocial behaviour; SS: sensation seeking; CU: callous-unemotional traits; 1socio-demographic confounders include household crowding index, housing tenure, maternal education, and ethnicity; 2additional confounders include child factors at approximately age 11 years (sex, age, BMI, diastolic blood pressure, medication use, frequency of vigorous activity, alcohol and cigarette use) and parent factors (crime and alcohol problems)