**Supplemental Table 1.** Combined effects of mental disorder and childhood trauma on adult violent victimisation (*n* = 5171), in unadjusted odds ratios (ORs) with 95% confidence intervals (CIs).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | Violent victimisation | | |
|  |  | Unadjusted OR (95% CI) | p = | Expected ORa |
| Combined effect of… | |  |  |  |
| Any mood disorder | Any childhood trauma |  |  |  |
| No | No | 1.00 |  |  |
| Yes | No | 2.87 (0.95-8.66) | .061 |  |
| No | Yes | 2.58 (1.65-4.04) | .000 |  |
| Yes | Yes | 2.93 (1.39 – 6.21) | .005 | 4.45 |
|  |  |  |  |  |
| Any anxiety disorder | Any childhood trauma |  |  |  |
| No | No | 1.00 |  |  |
| Yes | No | .96 (0.26-3.55) | .947 |  |
| No | Yes | 2.33 (1.46-3.71) | .000 |  |
| Yes | Yes | 3.02(1.76-5.17) | .000 | 2.29 |
|  |  |  |  |  |
| Any substance use disorder | Any childhood trauma |  |  |  |
| No | No | 1.00 |  |  |
| Yes | No | 3.49 (1.49-8.17) | .004 |  |
| No | Yes | 2.87 (1.92-4.29) | .000 |  |
| Yes | Yes | 2.48 (1.01-6.06) | .046 | 5.36 |
|  |  |  |  |  |
| Any mental disorder | Any childhood trauma |  |  |  |
| No | No | 1.00 |  |  |
| Yes | No | 1.84( 0.94-3.64) | .077 |  |
| No | Yes | 2.73 (1.74-4.29) | .000 |  |
| Yes | Yes | 2.88 (1.75-4.75) | .000 | 3.57 |
|  |  |  |  |  |

a = Expected ORs in the case of no interaction. We assume additive interaction effects (in bold) if the expected ORs lay below the lower limits of the confidence intervals of the observed combined effects (i.e. presence of both mental disorder and any childhood trauma) (Hosmer & Lemeshow, 1992; Ahlbom & Alfredsson, 2005; Rothman, 2012).

**Supplemental Table 2.** Combined effects of mental disorder and childhood trauma on adult psychological victimisation (*n* = 5171), in unadjusted odds ratios (ORs) with 95% confidence intervals (CIs).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | Psychological victimisation | | |
|  |  | Unadjusted OR (95% CI) | p = | Expected ORa |
| Combined effect of… | |  |  |  |
| Any mood disorder | Any childhood trauma |  |  |  |
| No | No | 1.00 |  |  |
| Yes | No | 1.88 (1.07-3.31) | .029 |  |
| No | Yes | 2.27 (1.89-2.73) | .000 |  |
| Yes | Yes | 3.44 (2.27-5.22) | .000 | 3.15 |
|  |  |  |  |  |
| Any anxiety disorder | Any childhood trauma |  |  |  |
| No | No | 1.00 |  |  |
| Yes | No | 1.07 (0.65-1.75) | .802 |  |
| No | Yes | 2.15 (1.76-2.63) | .000 |  |
| Yes | Yes | **3.32 (2.41-4.56)** | .000 | **2.22** |
|  |  |  |  |  |
| Any substance use disorder | Any childhood trauma |  |  |  |
| No | No | 1.00 |  |  |
| Yes | No | 1.38 (0.69-2.78) | .360 |  |
| No | Yes | 2.37 (1.95-2.88) | .000 |  |
| Yes | Yes | 2.30 (1.30-4.07) | .004 | 2.75 |
|  |  |  |  |  |
| Any mental disorder | Any childhood trauma |  |  |  |
| No | No | 1.00 |  |  |
| Yes | No | 1.27 (0.87-1.85) | .218 |  |
| No | Yes | 2.18(1.76-2.70) | .000 |  |
| Yes | Yes | 3.01 (2.20-4.13) | .000 | 2.45 |
|  |  |  |  |  |

a = Expected ORs in the case of no interaction. We assume additive interaction effects (in bold) if the expected ORs lay below the lower limits of the confidence intervals of the observed combined effects (i.e. presence of both mental disorder and any childhood trauma) (Hosmer & Lemeshow, 1992; Ahlbom & Alfredsson, 2005; Rothman, 2012).

References

**Ahlbom A, Alfredsson L** (2005). Interaction: a word with two meanings creates confusion. *European Journal of Epidemiology,* **20,** 563-564.

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