**Supplementary table 1.**

Multivariate associations between all risk factors under study and onset of non-suicidal self-injury during college.

|  |  |  |
| --- | --- | --- |
|  | **Sporadic NSSI** | **Repetitive NSSI** |
| **I. Sociodemographic and college-related variables** | OR (95% CI) | OR (95% CI) |
| Sex (male) | 1.0 (0.6-1.4) | 0.9 (0.6-1.5) |
| Age > 18 years | 1.0 (0.7-1.5) | 1.0 (0.6-1.6) |
| Non-Belgian nationality | 1.7 (0.8-3.5) | 1.7 (0.8-3.6) |
| Parents’ financial situation difficult | 1.0 (0.6-1.7) | 1.1 (0.7-1.9) |
| Parental educational level |  |  |
| Both parents high education | Ref | ref |
| One parent high education | 1.0 (0.7-1.5) | 1.0 (0.6-1.6) |
| Neither parents high education | 1.0 (0.6-1.6) | 1.1 (0.7-1.8) |
| Non-intact family composition | 1. (0.6-1.6) | 1.0 (0.7-1.7) |
| Area of enrolment |  |  |
| Human Sciences | ref | ref |
| Science and Technology | 1.0 (0.6-1.4) | 0.9 (0.5-1.4) |
| Biomedical Sciences | 0.9 (0.6-1.4) | 0.9 (0.6-1.5) |
| Non-GSE pre-educational level | 1.7 (0.8-3.7) | 1.7 (0.8-3.8) |
| **II. Traumatic experiences** |  |  |
| Parental psychopathology | 1.2 (0.7-1.9) | 1.3 (0.8-2.2) |
| Physical abuse | 1.7 (0.7-3.9) | 1.6 (0.7-3.8) |
| Emotional abuse | 1.4 (0.8-2.6) | 1.2 (0.6-2.4) |
| Sexual abuse | 1.4 (0.2-10.9) | 1.9 (0.3-10.7) |
| Neglect | 1.2 (0.6-2.6) | 1.2 (0.5-2.6) |
| Dating violence | 2.0 (0.8-4.6) | **3.1 (1.4-6.9)** |
| Bully victimization | 1.3 (0.9-2.1) | 1.3 (0.8-2.0) |
| Number of traumatic experiences |  |  |
| None or exactly one | ref | ref |
| Exactly 2 | 1.1 (0.6-2.0) | 1.0 (0.5-2.1) |
| 3 or more | 0.7 (0.2-2.1) | 0.8 (0.2-2.6) |
| **III. Twelve-month stressful experiences and unavailability of social support** |  |  |
| Life-threatening illness of a friend or family member | 1.1 (0.7-1.9) | 1.0 (0.5-1.9) |
| Death of a friend or family member | 1.0 (0.6-1.8) | 1.3 (0.7-2.3) |
| Breakup with a romantic partner | 1.0 (0.6-1.8) | 1.3 (0.7-2.2) |
| Romantic partner cheated | 1.3 (0.5-3.5) | 1.4 (0.4-4.3) |
| Serious betrayal by someone other than partner | 1.0 (0.6-1.9) | 1. (0.5-1.9) |
| Serious ongoing arguments or breakup with friend or family member | 1.2 (0.7-2.2) | 1.1 (0.6-2.2) |
| Life-threatening accident | 1.5 (0.3-8.8) | 3.0 (0.6-16.0) |
| Seriously physically assaulted | 2.2 (0.7-7.0) | 2.2 (0.6-8.7) |
| Sexually assaulted or raped | 4.8 (0.2-95.0) | 4.2 (0.1-130.5) |
| Serious legal problem | 1.6 (0.6-4.4) | 1.8 (0.6-5.9) |
| Another stressful event | 1.0 (0.5-2.0) | 1.2 (0.6-2.5) |
| Number of 12-month stressful experiences |  |  |
| None or exactly one | ref | ref |
| Exactly 2 | 1.0 (0.5-2.0) | 1.0 (0.5-2.2) |
| 3 or more | 1.0 (0.3-3.3) | 0.9 (0.3-3.4) |
| Unsatisfactory family support | 1.0 (0.6-1.6) | 1.1 (0.7-1.9) |
| Unsatisfactory peer support | 1.4 (0.9-2.0) | 1.4 (0.9-2.2) |
| Unsatisfactory partner support | 1.0 (0.7-1.5) | 1.1 (0.7-1.7) |
| **IV. Risk for 12-month mental disorders, 12-month suicidal thoughts and behaviors, and associated impairment** |  |  |
| Major depressive disorder | 1.6 (0.8-3.1) | 1.4 (0.7-2.8) |
| Generalized anxiety disorder | 1.2 (0.6-2.7) | 1.5 (0.7-3.2) |
| Panic disorder | 1.7 (0.5-6.5) | 1.5 (0.4-5.4) |
| Broad Mania | 2.1 (0.1-42.6) | 3.8 (0.7-19.5) |
| Alcohol use disorder |  |  |
| Low risk for alcohol use disorder | Ref | ref |
| Risky or hazardous drinking | 1.1 (0.7-1.8) | 1.0 (0.6-1.7) |
| Risk for alcohol dependence | 1.3 (0.4-3.7) | 1.0 (0.3-3.3) |
| Intermittent explosive disorder item positive | 1.1 (0.6-1.8) | 1.2 (0.7-2.0) |
| Any eating disorder item positive | 1.3 (0.7-2.5) | 1.4 (0.7-2.7) |
| Any psychotic item positive | 1.6 (0.7-3.3) | 1.4 (0.6-3.2) |
| Post-traumatic stress disorder item positive | 1.0 (0.6-1.6) | 1.1 (0.6-1.9) |
| No suicidal thoughts and behaviors | Ref | ref |
| Suicidal ideation | 1.9 (0.9-4.2) | 1.9 (0.8-4.3) |
| Suicide plans and/or attempts | 1.4 (0.3-6.3) | 2.3 (0.6-9.0) |
| Non-suicidal self-injury thoughts | 2.0 (0.7-5.7) | 1.5 (0.4-5.3) |
| Number of positive screens |  |  |
| None or exactly one | Ref | Ref |
| Exactly 2 | 1.1 (0.6-2.0) | 1.3 (0.7-2.6) |
| 3 or more | 1.0 (0.3-3.0) | 1.3 (0.4-4.2) |
| Severe role impairment in daily life | **1.8 (1.0-3.3)** | **1.9 (1.1-3.6)** |

*Note*: Multivariate associations are based on all factors shown in the table. OR = Odds Ratio; Significant odds ratios are shown in bold (α=.05)