**Predicting suicidal ideation in a nationally representative sample of young adults: a 12 month prospective study**

**Supplementary materials**

Figure S1: Study attrition from baseline to 12 month follow-up



Table S1: Differences between those who did and did not complete follow-up on baseline characteristics

|  |  |  |
| --- | --- | --- |
| Variable | Did not complete follow-upM (SD) n = 1088  | Did complete follow-upM (SD) n = 2418 |
| Age | 25.09 (4.94) | 25.64 (4.76) |
| Suicidal Ideation  | 1.27 (4.19) | 0.90 (3.29) |
| Depressive symptoms | 11.43 (12.22) | 10.79 (10.95) |
| Perceived burdensomeness | 14.59 (8.18) | 13.61 (7.39) |
| Thwarted belongingness | 12.18 (6.98) | 11.37 (6.40) |
| Defeat | 16.90 (14.00) | 16.21 (13.07) |
| Internal entrapment | 3.93 (6.07) | 4.00 (6.01) |
| External entrapment | 6.37 (8.64) | 6.42 (8.30) |
|  |  |  |
|  | N (%) | N (%) |
| Gender *Male* *Female* | 655 (60.2)433 (39.8) | 1085 (44.8)1335 (55.2) |
| Marital status *Not married* *Married* | 967 (88.9)121 (11.1) | 1970 (81.4)449 (18.6) |

Table S2: Correlationsa and partial correlationsb (controlling for baseline suicidal ideation) and means (SD) of all study variables (n=2418)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Variablec | 12-month Suicidal Ideation | Suicidal Ideation | Depressive symptoms | Thwarted Belongingness | Perceived Burdensomeness | Defeat | External Entrapment | Internal Entrapment |
| 12-month Suicidal Ideation | - | - | 0.13\*\*\* | 0.12\*\*\* | 0.19\*\*\* | 0.16\*\*\* | 0.14\*\*\* | 0.18\*\*\* |
| Baseline suicidal Ideation | 0.51\*\*\* | - | - | - | - | - | - | - |
| Depressive symptoms | 0.39\*\*\* | 0.58\*\*\* | - | 0.50\*\*\* | 0.62\*\*\* | 0.78\*\*\* | 0.68\*\*\* | 0.73\*\*\* |
| Thwarted Belongingness | 0.30\*\*\* | 0.39\*\*\* | 0.60\*\*\* | - | 0.58\*\*\* | 0.55\*\*\* | 0.50\*\*\* | 0.48\*\*\* |
| Perceived Burdensomeness | 0.42\*\*\* | 0.55\*\*\* | 0.74\*\*\* | 0.66\*\*\* | - | 0.64\*\*\* | 0.57\*\*\* | 0.61\*\*\* |
| Defeat | 0.39\*\*\* | 0.53\*\*\* | 0.84\*\*\* | 0.64\*\*\* | 0.75\*\*\* | - | 0.72\*\*\* | 0.77\*\*\* |
| External Entrapment | 0.37\*\*\* | 0.52\*\*\* | 0.77\*\*\* | 0.60\*\*\* | 0.69\*\*\* | 0.79\*\*\* | - |  |
| Internal Entrapment | 0.42\*\*\* | 0.57\*\*\* | 0.82\*\*\* | 0.58\*\*\* | 0.73\*\*\* | 0.84\*\*\* | 0.84\*\*\* | - |
| Mean (SD) | 1.18 (3.78) | 0.90 (3.30) | 10.77 (10.92) | 11.36 (6.40) | 13.60 (7.38) | 16.19 (13.05) | 6.40 (8.30) | 3.99 (6.00) |

aCorrelations are reported on the bottom-half of the table, bpartial correlations are reported on the top-half of the table, call variables measured at baseline unless otherwise stated, \*\*\* p < 0.001.

In the correlation analysis all of the baseline variables were significantly associated with 12-month suicidal ideation; the strongest associations were with baseline suicidal ideation (r = 0.51, p < 0.001), perceived burdensomeness (r = 0.42, p < 0.001) and internal entrapment (r = 0.42, p < 0.001). This indicates that before controlling for any other variables, the key components of each model are significantly correlated with 12-month suicidal ideation. When controlling for baseline suicidal ideation, all of the study variables were still significantly associated with 12-month suicidal ideation, albeit with much smaller effect sizes. Perceived burdensomeness (r = 0.19, p < 0.001) and internal entrapment (r = 0.18, p < 0.001) still displayed the strongest correlations with 12-month suicidal ideation.