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| --- | --- | --- | --- | --- | --- |
| **Appendix Table 1. The distribution and univariate associations of each predictor considered in the analysis with DSM-IV/CIDI PTSD (n=378)1** | | | | | |
|  | **Prevalence of DSM-IV/CIDI PTSD** | |  | **Distribution of the predictor in the total sample** | |
|  | **% PTSD** | **95%CI** |  | **%** | **(%SE)** |
| I. Age at time of disaster |  |  |  |  |  |
| Children (0-9) | 0.8 | (0.0-2.4) |  | 14.1 | (5.7) |
| Adolescents (10-19) | 2.4 | (0.0-7.1) |  | 22.5 | (6.0) |
| Young adults (20-29) | 3.2 | (0.0-8.8) |  | 33.2 | (10.6) |
| Older (30+) | 3.5 | (0.6-6.5) |  | 30.2 | (5.9) |
| 23 | 2.1 | |  |  |  |
| II. Sex |  |  |  |  |  |
| Male | 2.7 | (0.0-6.2) |  | 59.9 | (7.4) |
| Female | 2.9 | (0.7-5.2) |  | 40.1 | (7.4) |
|  21 | 0.0 | |  |  |  |
| III. Education at time of disaster |  |  |  |  |  |
| Low | 0.8 | (0.0-1.7) |  | 42.0 | (8.2) |
| Low-average | 1.7 | (0.0-4.3) |  | 14.1 | (3.1) |
| High-average | 6.3 | (0.0-14.4) |  | 33.0 | (10.7) |
| High | 1.4 | (0.0-4.0) |  | 10.8 | (3.1) |
|  23 | 6.6 | |  |  |  |
| IV. Marital status at time of disaster |  |  |  |  |  |
| Never married | 2.9 | (0.0-6.1) |  | 66.1 | (6.6) |
| Ever married | 2.6 | (0.0-5.1) |  | 33.9 | (6.6) |
|  21 | 0.1 | |  |  |  |
| V. Subtype |  |  |  |  |  |
| Natural disaster | 1.8 | (0.3-3.4) |  | 73.4 | (5.7) |
| Human-made | 5.5 | (0.0-12.5) |  | 26.6 | (5.7) |
|  21 | 5.2\* | |  |  |  |
| VI. Was the respondent seriously injured |  |  |  |  |  |
| No | 2.7 | (0.4-4.9) |  | 98.9 | (0.5) |
| Yes | 15.8 | (0.0-36.7) |  | 1.1 | (0.5) |
|  21 | 5.1\* | |  |  |  |
| VII. Did the respondent witness death |  |  |  |  |  |
| No | 2.5 | (0.3-4.6) |  | 92.2 | (3.3) |
| Yes | 6.6 | (0.0-19.9) |  | 7.8 | (3.3) |
|  21 | 2.1 | |  |  |  |
| VIII. Serious injury or death of someone close to respondent |  |  |  |  |  |
| No | 1.8 | (0.0-3.7) |  | 95.7 | (1.6) |
| Yes | 23.9 | (0.0-50.2) |  | 4.3 | (1.6) |
|  21 | 8.6\* | |  |  |  |
| IX. Forced displacement from home |  |  |  |  |  |
| No | 1.6 | (0.0-3.4) |  | 72.2 | (5.6) |
| Yes | 6.1 | (0.1-12.0) |  | 27.8 | (5.6) |
|  21 | 2.8 | |  |  |  |
| X. Number of prior traumatic experiences |  |  |  |  |  |
| 0 | 1.3 | (0.0-2.6) |  | 74.9 | (6.1) |
| 1+ | 7.3 | (0.0-15.2) |  | 25.1 | (6.1) |
|  22 | 10.9\* | |  |  |  |
| XI. Number of maladaptive family functioning CA's |  |  |  |  |  |
| 0 | 1.8 | (0.1-3.4) |  | 64.9 | (7.7) |
| 1 | 1.4 | (0.0-3.6) |  | 15.4 | (5.1) |
| 2 | 8.1 | (0.0-24.0) |  | 6.5 | (2.7) |
| 3+ | 6.8 | (0.0-19.5) |  | 13.3 | (5.7) |
|  23 | 11.5\* | |  |  |  |
| XII. Number of prior DSM-IV/CIDI mental disorders |  |  |  |  |  |
| 0 | 1.0 | (0.0-2.2) |  | 68.3 | (7.0) |
| 1 | 0.8 | (0.0-2.1) |  | 17.6 | (5.9) |
| 2+ | 14.0 | (1.0-26.9) |  | 14.1 | (3.4) |
|  23 | 30.1\* | |  |  |  |
| XIII. Total | 2.8 | (0.5-5.1) |  |  |  |
|  |  |  |  |  |  |

\*Significant at the .05 level, two-sided test

1Results are based on weighted data pooled across the 6 surveys in high income countries. See footnote to Table 2 for a description of the weighting. χ2 estimates were based on multivariate models that controlled for survey dummy variables and exactly one of the predictors in the table in predicting PTSD.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Appendix Table 2. Tetrachoric correlations among disaster characteristics (n = 378)1** | | | | | |
|  | **Natural vs. Man-made disaster** | **Serious injury to respondent** | **Respondent witnessed death** | **Serious injury or death of loved one** | **Respondent was displaced from home** |
| Natural vs. Man-made disaster | 1.0 | .25 | .58 | .32 | .05 |
| Serious injury to respondent | 0.25 | 1.0 | -1.0 | .81 | .35 |
| Respondent witnessed death | 0.58 | -1.02 | 1.0 | .55 | -.22 |
| Serious injury or death of loved one | 0.32 | 0.81 | 0.55 | 1.0 | .03 |
| Respondent was displaced from home | 0.05 | 0.35 | -0.22 | 0.03 | 1.0 |
|  |  |  |  |  |  |

1Based on weighted data pooled across the 6 surveys in high income countries. See footnote 1 to Table 2 for a description of the weighting.

2None of the respondents who witnessed death also were themselves injured.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Appendix Table 3. Detailed associations of prior traumatic experiences (TE's) with DSM-IV/CIDI PTSD controlling for the predictors in Table 3 Model 2 (n=378)1** | | | | | | | | |
|  | **Univariate Associations2** | |  | **Multivariate 1** | |  | **Multivariate 2** | |
|  | **OR** | **95% CI** |  | **OR** | **95% CI** |  | **OR** | **95% CI** |
| I. Exposure to sectarian violence |  |  |  |  |  |  |  |  |
| Relief worker in war zone | 0.0 | (0.0-0.0) |  | -- | -- |  | -- | -- |
| Civilian in war zone | 118.4\* | (11.5-1217.0) |  | 0.4 | (0.0-128.6) |  | -- | -- |
| Civilian in region of terror | 0.0 | (0.0-0.0) |  | --3 | -- |  | -- | -- |
| Refugee | -- | -- |  | --3 | -- |  | -- | -- |
| Kidnapped | 0.0 | (0.0-0.0) |  | --3 | -- |  | -- | -- |
| Any exposure to sectarian violence | 58.6\* | (8.8-390.6) |  | -- | -- |  | 13.3\* | (3.5-50.5) |
| II. Participation in sectarian violence |  |  |  |  |  |  |  |  |
| Combat experience | 7.8\* | (1.1-57.2) |  | 2.4 | (0.9-6.5) |  | -- | -- |
| Witnessed death | 2.6 | (0.5-13.4) |  | 0.0\* | (0.0-0.1) |  | -- | -- |
| Accidentally cause injury/death | 0.0 | (0.0-0.0) |  | --3 | -- |  | -- | -- |
| Purposefully injured/killed someone | 0.0 | (0.0-0.0) |  | --3 | -- |  | -- | -- |
| Saw atrocities | 10.2 | (0.8-132.3) |  | 521.1 | (0.4-6697.0) |  | -- | -- |
| Any participation in sectarian violence | 2.4 | (0.5-12.4) |  | -- | -- |  | 0.4 | (0.1-1.1) |
| III. Interpersonal violence |  |  |  |  |  |  |  |  |
| Beaten by caregiver | 40.7\* | (5.2-317.2) |  | 0.1 | (0.0-183.2) |  | -- | -- |
| Beaten by someone else | 58.8\* | (11.6-299.0) |  | 2.3 | (0.3-19.3) |  | -- | -- |
| Witnessed physical fight at home | 37.6\* | (3.5-407.0) |  | 51.5 | (0.1-4563.5) |  | -- | -- |
| Any interpersonal violence | 19.3\* | (5.1-73.0) |  | -- | -- |  | 9.5\* | (3.1-28.8) |
| IV. Exposure to sexual violence |  |  |  |  |  |  |  |  |
| Beaten by spouse/partner | 2.8 | (0.3-28.4) |  | 0.3 | (0.0-16.0) |  | -- | -- |
| Raped | 1.3 | (0.1-13.9) |  | 0.0\* | (0.0-0.4) |  | -- | -- |
| Sexually assaulted | 2.5 | (0.1-48.4) |  | 60.2 | (0.1-24723.0) |  | -- | -- |
| Stalked | 2.2 | (0.0-119.9) |  | 1.6 | (0.0-5131.0) |  | -- | -- |
| Traumatic event to loved one | 152.6\* | (15.7-1486.0) |  | 1.0 | (0.0-368.1) |  | -- | -- |
| Some other event | 0.0 | (0.0-0.0) |  | -- | -- |  | -- | -- |
| Private event | 8.0 | (1.8-36.3) |  | 8.8\* | (1.2-65.0) |  | -- | -- |
| Any exposure to sexual violence | 59.7\* | (4.5-783.8) |  | -- | -- |  | 26.2\* | (2.1-327.1) |
| V. Accident/injuries |  |  |  |  |  |  |  |  |
| Toxic chemical exposure | 53.7\* | (5.9-490.7) |  | 1050.0 | (0.2-4824.0) |  | -- | -- |
| Automobile accident | 1.2 | (0.2-5.5) |  | 1.2 | (0.0-40.7) |  | -- | -- |
| Other life threatening accident | 0.0 | (0.0-0.0) |  | --3 | -- |  | -- | -- |
| Natural disaster | 6.3 | (0.8-48.4) |  | 0.3 | (0.0-44.0) |  | -- | -- |
| Life-threatening illness | 0.0 | (0.0-0.0) |  | --3 | -- |  | -- | -- |
| Child with serious illness | 0.0 | (0.0-0.0) |  | --3 | -- |  | -- | -- |
| Any accident/injuries | 2.1 | (0.7-6.5) |  | -- | -- |  | 1.5 | (0.4-6.6) |
| VI. Other trauma |  |  |  |  |  |  |  |  |
| Man-made disaster | 0.0 | (0.0-0.0) |  | --3 | -- |  | -- | -- |
| Mugged or threatened with a weapon | 6.7 | (0.5-94.4) |  | 4.4 | (0.0-1452.0) |  | -- | -- |
| Unexpected death of a loved one | 4.4 | (0.9-21.8) |  | 2.7 | (0.1-76.0) |  | -- | -- |
| Any other trauma | 2.9 | (0.2-37.8) |  | -- | -- |  | 1.5 | (0.1-30.7) |
| F Total model (18,21) (6,33)4 | -- | -- |  | 528.1\* | p<.001 |  | 7.9\* | p<.001 |
| F Difference among ORs (17, 22) (5,34)5 | -- | -- |  | 303.4\* | p<.001 |  | 9.7\* | p<.001 |
| VII. Any traumatic event | 2.1 | (0.2-18.3) |  | -- | -- |  | -- | -- |
| Exactly 1 | 1.1 | (0.1-10.3) |  | -- | -- |  | -- | -- |
| Exactly 2 | 0.5 | (0.0-55.8) |  | -- | -- |  | -- | -- |
| 3+ | 10.8\* | (1.5-76.8) |  | -- | -- |  | -- | -- |
| F (3,36) | 6.4\* | p=.001 |  | -- | -- |  | -- | -- |
|  |  |  |  |  |  |  |  |  |

\*Significant at the .05 level, two-sided test

1All models were estimated in weighted data pooled across the 6 surveys in high income countries. See footnote 1 to Table 2 for a description of the weighting.

2The univariate associations are based on a separate model for each row, with the variable in the row and the predictions in Model 2 from Table 3 the predictors in the model.

3Only TEs associated with at least one case of PTSD were carried forward into the multivariate models

4The joint significance of all predictors in the model (18 in Model 1; 6 in Model 2, 21 and 33 denominator degrees of freedom, respectively)

5The significance of differences among ORs of predictors in the model (17 in Model 1; 5 in Model 2; 22 and 34 denominator degrees of freedom, respectively).

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Appendix Table 4. Detailed associations of childhood adversities (CAs) with DSM-IV/CIDI PTSD controlling for the predictors in Table 3 Model 3 (n=378)1** | | | | | | | | |
|  | **Univariate Associations2** | |  | **Multivariate 1** | |  | **Multivariate 2** | |
|  | **OR** | **95% CI** |  | **OR** | **95% CI** |  | **OR** | **95% CI** |
| I. Maladaptive family functioning (MFF) childhood adversity (CA) |  |  |  |  |  |  |  |  |
| Parental mental illness | 123.3\* | (6.7-2271.0) |  | 189.4\* | (15.6-2306.0) |  | -- | -- |
| Parental substance misuse | 20.9\* | (2.9-149.3) |  | 0.8 | (0.3-2.1) |  | -- | -- |
| Parental criminality | 40.9\* | (1.7-973.6) |  | 2.1 | (0.3-14.1) |  | -- | -- |
| Family violence | 38.5\* | (2.9-510.5) |  | 14.7\* | (2.6-83.2) |  | -- | -- |
| Physical abuse | 23.8\* | (3.1-182.9) |  | 0.1 | (0.0-0.8) |  | -- | -- |
| Sexual abuse | 1.0 | (0.1-11.5) |  | 2.9 | (0.3-31.5) |  | -- | -- |
| Neglect | 69.1\* | (2.9-1627.0) |  | 19.8\* | (6.2-63.5) |  | -- | -- |
| F (7,32) | -- | -- |  | 22.4 | p<.001 |  | -- | -- |
| II. Other CA |  |  |  |  |  |  |  |  |
| Parental death | 5.2 | (1.9-13.8) |  | 10.2\* | (5.1-20.4) |  | -- | -- |
| Parental divorce | 56.2\* | (3.5-903.6) |  | 5.0\* | (1.7-14.2) |  | -- | -- |
| Other parental loss | 0.6 | (0.0-7.7) |  | 0.6 | (0.1-2.5) |  | -- | -- |
| Serious physical illness | 0.0 | (0.0-0.0) |  | --3 | -- |  | -- | -- |
| Family economic adversity | 77.5\* | (6.0-1010.0) |  | 22.5\* | (5.9-86.3) |  | -- | -- |
| F (4,35) | -- | -- |  | 13.7\* | p<.001 |  | -- | -- |
| F (11,28) | -- | -- |  | 14.0\* | p<.001 |  | -- | -- |
| III. Number of MFF CAs |  |  |  |  |  |  |  |  |
| Count of MFF CAs (0-3+) | 6.0\* | (1.9-18.8) |  | -- | -- |  | 4.2\* | (2.1-8.3) |
| Exactly 1 | 12.1 | (0.8-173.9) |  | -- | -- |  | -- | -- |
| Exactly 2 | 36.9\* | (3.1-442.0) |  | -- | -- |  | -- | -- |
| 3+ | 233.4\* | (16.7-3272.0) |  | -- | -- |  | -- | -- |
| F (3,36) | 11.8\* | p<.001 |  | -- | -- |  | -- | -- |
| IV. Number of other CAs |  |  |  |  |  |  |  |  |
| Count of other CAs (0-2+) | -- | -- |  | -- | -- |  | 3.5 | (0.9-13.6) |
| Exactly 1 | 6.3\* | (1.5-26.3) |  | -- | -- |  | -- | -- |
| 2+ | 29.0\* | (5.9-142.4) |  | -- | -- |  | -- | -- |
| F (2,37) | 9.9\* | p<.001 |  | -- | -- |  | -- | -- |
|  |  |  |  |  |  |  |  |  |

\*Significant at the .05 level, two-sided test

1All models were estimated in weighted data pooled across the 6 surveys in high income countries. See footnote 1 to Table 2 for a description of the weighting.

2The univariate associations are based on a separate model for each row, with the variable in the row and the predictions in Model 2 from Table 3 the predictors in the model.

3Only CAs associated with at least one case of PTSD were carried forward into the multivariate model

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Appendix Table 5. Detailed associations of prior DSM-IV/CIDI mental disorders with DSM-IV/CIDI PTSD controlling for the predictors in Table 3 Model 4 (n=378)1** | | | | | | | | | | | |
|  | **Multivariate 12** | |  | **Multivariate 2** | |  | **Multivariate 3** | |  | **Multivariate 4\_a** | |
|  | **OR** | **95% CI** |  | **OR** | **95% CI** |  | **OR** | **95% CI** |  | **OR** | **95% CI** |
| I. Mood disorders |  |  |  |  |  |  |  |  |  |  |  |
| MDE or dysthymia | 23.0\* | (7.0-75.8) |  | 6.5\* | (1.3-34.0) |  | 47.7\* | (6.2-365.3) |  | -- | -- |
| BPD | 0.2 | (0.0-11.8) |  | 0.0 | (0.0-2883.0) |  | 0.0\* | (0.0-0.1) |  | -- | -- |
| Any mood disorder | 10.4\* | (3.4-32.1) |  | -- | -- |  | -- | -- |  | 3.2\* | (1.3-7.9) |
| II. Anxiety disorders |  |  |  |  |  |  |  |  |  |  |  |
| Panic disorder or agoraphobia | 3.3 | (0.4-27.6) |  | 3.0 | (0.2-49.7) |  | 20.8\* | (4.7-91.3) |  | -- | -- |
| GAD | 10.8\* | (1.3-91.3) |  | 1.8 | (0.6-5.6) |  | 13.1\* | (5.0-34.6) |  | -- | -- |
| PTSD | 8.5\* | (3.1-24.0) |  | 1.4 | (0.3-7.2) |  | 15.4\* | (1.7-138.1) |  | -- | -- |
| Social phobia | 10 | (0.8-124.3) |  | 2.4 | (0.8-7.4) |  | 5.0\* | (1.1-22.4) |  | -- | -- |
| Specific phobia | 31.5\* | (13.8-71.7) |  | 2.6 | (0.7-10.2) |  | 11.2\* | (1.0-124.6) |  | -- | -- |
| SAD | 43.1\* | (4.0-463.1) |  | 6.2 | (0.7-57.2) |  | 51.1\* | (11.1-234.9) |  | -- | -- |
| Any anxiety disorder | 51.5\* | (19.6-135.4) |  | -- | -- |  | -- | -- |  | 10.8\* | (1.7-68.1) |
| III. Behavior disorders |  |  |  |  |  |  |  |  |  |  |  |
| ADHD | 20.0\* | (2.6-154.7) |  | 1.3 | (0.0-3154.0) |  | 0.6 | (0.0-181.7) |  | -- | -- |
| Conduct | 44.6\* | (3.8-522.8) |  | 0.9 | (0.1-8.3) |  | 8.1 | (0.6-110.9) |  | -- | -- |
| IED | 204.2\* | (23.4-1779.0) |  | 83.2\* | (4.6-1511.0) |  | 20.4\* | (1.5-270.7) |  | -- | -- |
| ODD | 78.8\* | (11.9-519.9) |  | 75.7\* | (1.3-4289.0) |  | 227.8\* | (2.0-26146.0) |  | -- | -- |
| Any behavior disorder | 289.2\* | (12.5-6665.0) |  | -- | -- |  | -- | -- |  | 43.1\* | (12.5-148.4) |
| IV. Substance disorders |  |  |  |  |  |  |  |  |  |  |  |
| Drug abuse or dependence | 19.7\* | (2.4-159.2) |  | 0.0 | (0.0-5.2) |  | 0.0\* | (0.0-0.0) |  | -- | -- |
| Alcohol dependence | 54.3\* | (4.1-719.7) |  | 40.5\* | (15.9-102.7) |  | 349.2\* | (2.9-41683.0) |  | -- | -- |
| Any substance disorder | 54.0\* | (3.9-738.7) |  | -- | -- |  | -- | -- |  | 16.5\* | (1.8-153.2) |
| F Total model (14,25), (14,25), (4,35), (4, 35)3 | -- | -- |  | 76.5\* | p<.001 |  | 79.7\* | p<.001 |  | 53.7\* | p<.001 |
| F Differences among ORs (13,26), (13,26), (3,36), (3, 36)4 | -- | -- |  | 85.5\* | p<.001 |  | 59.1\* | p<.001 |  | 7.5\* | p=.001 |
| V. Total |  |  |  |  |  |  |  |  |  |  |  |
| Any disorder | 26.9\* | (8.7-83.6) |  | -- | -- |  | -- | -- |  | -- | -- |
| Exactly 1 | 9.8 | (0.5-192.4) |  | -- | -- |  | -- | -- |  | -- | -- |
| 2+ | 60.0\* | (21.1-170.5) |  | -- | -- |  | 0.0 | (0.0-14.8) |  | -- | -- |
| F (2,37) | 52.5\* | p<.001 |  | -- | -- |  | -- | -- |  | -- | -- |
|  |  |  |  |  |  |  |  |  |  |  |  |

\*Significant at the .05 level, two-sided test

1All models were estimated in weighted data pooled across the 6 surveys in high income countries. See footnote 1 to Table 2 for a description of the weighting.

2The univariate associations are based on a separate model for each row, with the variable in the row and the predictions in Model 2 from Table 3 the predictors in the model.

3The joint significance of all predictors in the model (14 in Models 1 and 2; 4 in Models 3 and 4; 25 and 35 denominator degrees of freedom, respectively)

4The significance of differences among ORs of predictors in the model (13 in Models 1 and 2, 3 in Models 3 and 4; 26 and 36 denominator degrees of freedom, respectively).