Supplementary Online Content

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This supplementary material has been provided by the authors to give readers additional information about their work.
Table 1. Bivariate Associations of Combat Stress Scale Items From Index Deployment

| Item                                                                 | 1.   | 2.   | 3.   | 4.   | 5.   | 6.   | 7.   | 8.   | 9.   | 10.  |
|----------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|
| 1. Responsible for Enemy Combatant Death                            | -    | .18  | .10  | .23  | .46  | .15  | .34  | .17  | .18  | .19  |
| 2. Responsible for Non-Combatant Death                             | -    | .11  | .05  | .12  | .08  | .09  | .07  | .04  | .09  |      |
| 3. Responsible for U.S. or Ally Death                              | -    | .03  | .04  | .03  | .05  | .05  | .02  | .04  |      |      |
| 4. Combat Patrol/Dangerous Duty                                    | -    | .28  | .12  | .32  | .14  | .43  | .15  |      |      |      |
| 5. Fired Rounds/Took Fire                                          | -    | .14  | .39  | .15  | .17  | .23  |      |      |      |      |
| 6. Personally Wounded                                              | -    | .18  | .08  | .10  | .07  |      |      |      |      |      |
| 7. Had a Close Call                                                 | -    | .19  | .24  | .23  |      |      |      |      |      |      |
| 8. Unit Member Killed or Wounded                                    | -    | .22  | .16  |      |      |      |      |      |      |      |
| 9. Saw Villages Destroyed or People Begging for Food                | -    | .17  |      |      |      |      |      |      |      |      |
| 10. Exposed to Aftermath (severely wounded, dead bodies)            | -    |      |      |      |      |      |      |      |      |      |

Note. All correlations $P<0.01$ except bolded items which are $P>0.05$. Spearman correlations. Items reflect weighted scores.
### Table 2. Bivariate Associations of Specific Post-Deployment STBs and Responsibility Type

| Type of Death       | T2 P value | T3 P value | T2 P value | T3 P value | T2 P value | T3 P value | T2 P value | T3 P value |
|---------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Enemy Yes           | 0.40       | 0.03       | >0.99      | 0.09       | 0.02       | 0.68       |
| Enemy No            | 102(2.8)   | 181(5)     | 28(0.8)    | 44(1.2)    | 2(0.1)     | 27(0.7)    |
| Non-Combatant Yes   | 0.51       | 0.62       | >0.99      | >0.99      | >0.99      | >0.99      |
| Non-Combatant No    | 133(2.9)   | 246(5.4)   | 36(0.8)    | 63(1.4)    | 6(0.1)     | 33(0.7)    |
| Ally Yes            | 0.04       | 0.09       | >0.99      | 0.46       | >0.99      | 0.04       |
| Ally No             | 132(2.9)   | 246(5.3)   | 36(0.8)    | 63(1.4)    | 6(0.1)     | 31(0.7)    |
| Any Death Yes       | 0.21       | 0.01       | >0.99      | 0.07       | 0.03       | 0.84       |
| Any Death No        | 99(2.8)    | 177(4.9)   | 28(0.8)    | 43(1.2)    | 2(0.4)     | 25(0.7)    |

*Note.* P-value calculated from Fisher’s exact test. Percentage reflects suicidality outcome prevalence based on endorsement of being responsible for another’s death. T2 = 2-3 months post-deployment; T3 = 8-9 months post-deployment. SI = suicidal ideation; NSSI = non-suicidal self-injury; SA = suicide attempt. All outcomes are past 30-days disorder = Lifetime at pre-deployment baseline.
### Table 3. Logistic Regression With All Types of Responsibilities Predicting Post-Deployment Outcomes

| Variable                  | 2-3 Months Post-Deployment | 8-9 Months Post-Deployment |
|---------------------------|---------------------------|---------------------------|
| **Posttraumatic Stress Disorder** |                           |                           |
| Internalizing Disorder    | 4.17 (3.22-5.40)          | 3.58 (2.79-4.59)          |
| P value                   | <0.001                    | <0.001                    |
| Externalizing Disorder    | 1.41 (1.10-1.81)          | 1.34 (1.11-1.61)          |
| P value                   | 0.007                     | 0.003                     |
| Combat Severity           | 1.43 (1.31-1.57)          | 1.26 (1.19-1.24)          |
| P value                   | <0.001                    | <0.001                    |
| Enemy Combatant           | 1.25 (0.92-1.70)          | 1.49 (1.12-1.98)          |
| P value                   | 0.15                      | 0.007                     |
| Non-Combatant             | 1.03 (0.49-2.14)          | 0.86 (0.51-1.46)          |
| P value                   | 0.95                      | 0.57                      |
| Ally                      | 1.10 (0.42-2.86)          | 0.94 (0.38-2.33)          |
| **Suicidal Thoughts and Behaviors** |                   |                           |
| Internalizing Disorder    | 3.06 (2.09-4.50)          | 2.58 (1.94-3.44)          |
| P value                   | <0.001                    | <0.001                    |
| Externalizing Disorder    | 1.58 (1.10-2.27)          | 1.93 (1.42-2.63)          |
| P value                   | 0.01                      | <0.001                    |
| Combat Severity           | 1.02 (0.92-1.13)          | 1.03 (0.96-1.12)          |
| P value                   | 0.72                      | 0.40                      |
| Enemy Combatant           | 1.10 (0.76-1.58)          | 1.47 (0.96-2.26)          |
| P value                   | 0.62                      | 0.08                      |
| Non-Combatant             | 0.92 (0.25-3.43)          | 0.80 (0.25-2.52)          |
| P value                   | 0.90                      | 0.70                      |
| Ally                      | 2.54 (0.83-7.79)          | 1.79 (0.71-4.52)          |
| **Major Depressive Episode** |                           |                           |
| Internalizing Disorder    | 5.87 (4.33-7.96)          | 3.61 (2.68-4.86)          |
| P value                   | <0.001                    | <0.001                    |
| Externalizing Disorder    | 1.73 (1.31-2.28)          | 1.25 (0.97-1.61)          |
| P value                   | <0.001                    | 0.08                      |
| Combat Severity           | 1.20 (1.09-1.32)          | 1.16 (1.06-1.27)          |
| P value                   | <0.001                    | 0.001                     |
| Enemy Combatant           | 1.31 (0.80-1.59)          | 1.37 (0.98-1.92)          |
| P value                   | 0.48                      | 0.07                      |
| Non-Combatant             | 0.47 (0.18-1.23)          | 0.62 (0.19-2.07)          |
| P value                   | 0.12                      | 0.44                      |
| Ally                      | 0.94 (0.32-2.81)          | 0.60 (0.19-1.91)          |
| **Functional Impairment** |                           |                           |
| Internalizing Disorder    | 2.60 (2.17-3.12)          | 2.61 (2.20-3.10)          |
| P value                   | <0.001                    | <0.001                    |
| Externalizing Disorder    | 1.39 (1.16-1.67)          | 1.43 (1.25-1.63)          |
| P value                   | <0.001                    | <0.001                    |
| Combat Severity           | 1.12 (1.07-1.18)          | 1.14 (1.09-1.20)          |
| P value                   | <0.001                    | <0.001                    |
| Enemy Combatant           | 1.10 (0.92-1.32)          | 1.10 (0.90-1.34)          |
| P value                   | 0.31                      | 0.34                      |
| Non-Combatant             | 1.17 (0.65-2.11)          | 1.36 (0.86-2.15)          |
| P value                   | 0.61                      | 0.19                      |
| Ally                      | 1.14 (0.58-2.25)          | 0.67 (0.34-1.33)          |
| **Note.** Models adjusted for age, sex, race/ethnicity, education, BCT (brigade combat team), and martial status. Internalizing and externalizing = Lifetime at pre-deployment baseline.**
eTable 4. Logistic Regression With Prior and Index Responsibilities Predicting Post-Deployment Outcomes Within Only Those Who Deployed Previously

| Variable | 2-3 Months Post-Deployment | 8-9 Months Post-Deployment |
|----------|----------------------------|----------------------------|
| **Posttraumatic Stress Disorder** | | |
| Internalizing Disorder | 5.42 (3.75-7.82) | <0.001 | 5.14 (3.81-6.94) | <0.001 |
| Externalizing Disorder | 1.36 (0.93-2.01) | 0.12 | 1.22 (0.93-1.62) | 0.16 |
| Combat Severity | 1.38 (1.25-1.53) | <0.001 | 1.32 (1.24-1.42) | <0.001 |
| Prior Responsibility | 1.19 (0.76-1.86) | 0.44 | 1.22 (0.81-1.85) | 0.34 |
| Index Responsibility | 1.32 (0.74-2.34) | 0.35 | 1.14 (0.65-2.00) | 0.66 |
| Prior*Index Interaction | 0.92 (0.49-1.73) | 0.79 | 1.08 (0.52-2.25) | 0.83 |
| **Suicidal Thoughts and Behaviors** | | |
| Internalizing Disorder | 4.12 (2.40-7.09) | <0.001 | 2.88 (2.07-4.01) | <0.001 |
| Externalizing Disorder | 2.04 (1.14-3.62) | 0.02 | 2.08 (1.36-3.19) | 0.001 |
| Combat Severity | 0.96 (0.79-1.16) | 0.66 | 1.11 (1.00-1.23) | 0.06 |
| Prior Responsibility | 1.03 (0.55-1.91) | 0.94 | 1.04 (0.63-1.70) | 0.89 |
| Index Responsibility | 0.89 (0.24-2.61) | 0.70 | 1.01 (0.44-2.34) | 0.98 |
| Prior*Index Interaction | 2.04 (0.50-8.25) | 0.32 | 1.64 (0.62-4.30) | 0.32 |
| **Major Depressive Episode** | | |
| Internalizing Disorder | 6.76 (4.26-10.72) | <0.001 | 3.90 (2.67-5.69) | <0.001 |
| Externalizing Disorder | 1.74 (1.23-2.47) | 0.002 | 1.51 (1.03-2.24) | 0.03 |
| Combat Severity | 1.21 (1.06-1.37) | 0.004 | 1.19 (1.05-1.35) | 0.006 |
| Prior Responsibility | 1.09 (0.64-1.86) | 0.75 | 1.44 (0.88-2.35) | 0.15 |
| Index Responsibility | 0.95 (0.49-1.85) | 0.88 | 0.62 (0.26-1.48) | 0.28 |
| Prior*Index Interaction | 1.12 (0.53-2.39) | 0.76 | 2.46 (0.93-6.48) | 0.07 |
| **Functional Impairment** | | |
| Internalizing Disorder | 2.63 (2.06-3.34) | <0.001 | 2.96 (2.35-3.74) | <0.001 |
| Externalizing Disorder | 1.31 (1.04-1.66) | 0.02 | 1.36 (1.12-1.66) | 0.002 |
| Combat Severity | 1.15 (1.07-1.23) | <0.001 | 1.20 (1.11-1.28) | <0.001 |
| Prior Responsibility | 0.89 (0.68-1.17) | 0.41 | 0.96 (0.76-1.20) | 0.71 |
| Index Responsibility | 1.04 (0.73-1.48) | 0.82 | 1.12 (0.73-1.66) | 0.52 |
| Prior*Index Interaction | 1.04 (0.67-1.62) | 0.87 | 1.10 (0.69-1.75) | 0.70 |

Note. Models adjusted for age, sex, race/ethnicity, education, BCT (brigade combat team), and marital status. Internalizing and externalizing = Lifetime at pre-deployment baseline. Responsibility = binary endorsement of being responsible for another’s death during combat during prior and index deployments.