**Table S7.** *Regression Summary Table for the Association of Close-range Blast Exposure by APOE ε4 Status on WTAR*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Model 1 | | | Model 2 | | | Model 3 | | |
| Variable | *B* | *SE(B)* | β | *B* | *SE(B)* | β | *B* | *SE(B)* | β |
| CAPS (PTSD) | -0.0319 | 0.028 | -0.081 | -0.023 | 0.029 | -0.058 | -0.023 | 0.029 | -0.059 |
| DASS Anxiety | -0.095 | 0.106 | -0.063 | -0.094 | 0.106 | -0.062 | -0.092 | 0.106 | -0.061 |
| PC1 | 51.855 | 15.277 | 0.176\*\* | 52.320 | 15.577 | 0.177\*\* | 52.526 | 15.652 | 0.178\*\* |
| PC2 | 17.761 | 20.156 | 0.049 | 14.309 | 20.324 | 0.040 | 14.409 | 20.362 | 0.040 |
| PC3 | 31.041 | 19.110 | 0.091 | 33.295 | 19.204 | 0.098 | 33.112 | 19.266 | 0.097 |
| Gender | -3.877 | 2.080 | -0.099 | -4.363 | 2.105 | -0.111 | -4.380 | 2.110 | -0.112 |
| Education | 1.194 | 0.306 | 0.203\*\* | 1.193 | 0.306\*\* | 0.202 | 1.191 | 0.307 | 0.202\*\* |
| Lifetime mTBI | 2.700 | 1.334 | 0.108\* | 2.958 | 1.344\* | 0.119 | 2.971 | 1.349 | 0.119\* |
| APOE ε4 status |  |  |  | -0.354 | 1.391 | -0.013 | 0.289 | 4.260 | 0.011 |
| CBE |  |  |  | -1.890 | 1.291 | -0.081 | -1.341 | 3.673 | -0.057 |
| CBE x APOE ε4 status |  |  |  |  |  |  | -0.445 | 2.787 | -0.035 |
| *R2* | 0.135 | | | 0.141 | | | 0.141 | | |
| *F* for change in *R2* |  | | | 1.119 | | | 0.0255 | | |

Note.\**p* < .05, \*\**p* < .01. B = effect size, SE(B) = standard deviation for effect size, β = standardized effect size, CAPS = Clinician-administered PTSD scale, PTSD = post-traumatic stress disorder, DASS = depression anxiety stress scales, PC = principle component representing population substructure, mTBI = mild traumatic brain injury, WTAR = Wechsler Test of Adult Reading scaled score, APOE = apolipoprotein, CBE = close-range blast exposure