Table S1. Trauma exposure that led to participant admission to the emergency department.

|  |  |  |  |
| --- | --- | --- | --- |
| *Trauma exposure* | Hispanic | White | Black |
| *Motor Vehicle Collision* | 76.4% | 77.4% | 77.8% |
| *Physical Assault* | 12.3% | 4.5% | 11.2% |
| *Sexual Assault* | 0.9% | 1.3% | 0.6% |
| *Fall (Height of greater than or equal to 10 feet)* | 0.9% | 1.6% | 0.8% |
| *Incident causing traumatic stress exposure to many people* | 0.0% | 0.3% | 0.6% |
| *Non-motorized collision* | 1.9% | 1.9% | 0.4% |
| *Fall (Less than 10 feet or unknown height)* | 1.9% | 5.1% | 2.7% |
| *Burns* | 1.9% | 0.6% | 0.6% |
| *Animal-related* | 0.0% | 2.9% | 1.2% |
| *Other* | 3.8% | 4.5% | 4.1% |
| χ2(18) = 30.62, p = 0.032 |  |  |  |

Table S2. Medications administered within the emergency department.

|  |  |
| --- | --- |
| Medication | Frequency |
| Acetaminophen | 294 |
| ACE Inhibitors | 5 |
| Antibiotics | 53 |
| Anticholinergics | 7 |
| Benzodiazepines | 33 |
| Beta Blockers | 5 |
| Contraceptives | 3 |
| NSAIDS | 274 |
| Opioids | 244 |
| SNRIs | 2 |
| SSRIs | 4 |

Table S3. Granular breakdown of participant demographic categories by racial/ethnic group

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Total | Hispanic | White | Black |
| Employment |  |  |  |  |
| Yes |  |  |  |  |
| *Employed* | 677 | 73 | 245 | 359 |
| No |  |  |  |  |
| *Retired* | 28 | 1 | 13 | 14 |
| *Homemaker* | 18 | 3 | 4 | 11 |
| *Student* | 38 | 9 | 13 | 16 |
| *Unemployed/disabled/other* | 161 | 19 | 38 | 104 |
| Income |  |  |  |  |
| <35K Annually |  |  |  |  |
| *<19000* | 302 | 36 | 55 | 211 |
| *19001-35000* | 292 | 46 | 83 | 163 |
| >35K Annually |  |  |  |  |
| *35001-50000* | 134 | 9 | 58 | 67 |
| *50001-75000* | 74 | 5 | 36 | 33 |
| *75001-10000* | 53 | 2 | 37 | 14 |
| *>100000* | 58 | 6 | 42 | 10 |
| Education |  |  |  |  |
| Some college or less |  |  |  |  |
| *Never* | 1 | 1 | 0 | 0 |
| *1st* | 2 | 1 | 0 | 1 |
| *7th* | 1 | 0 | 1 | 0 |
| *8th* | 2 | 0 | 1 | 1 |
| *9th* | 11 | 3 | 4 | 4 |
| *10th* | 17 | 3 | 1 | 13 |
| *11th* | 37 | 3 | 6 | 28 |
| *12th, no diploma* | 33 | 4 | 6 | 23 |
| *High School graduate* | 186 | 23 | 39 | 124 |
| *GED or equivalent* | 40 | 7 | 11 | 22 |
| *Some college, no degree* | 258 | 26 | 84 | 148 |
| Associates degree or more |  |  |  |  |
| *Associates degree (Occupational)* | 73 | 6 | 28 | 39 |
| *Associates degree (Academic)* | 62 | 4 | 24 | 34 |
| *Bachelor’s degree* | 130 | 11 | 69 | 50 |
| *Master’s degree*  | 61 | 13 | 29 | 19 |
| *Professional school degree* | 5 | 0 | 4 | 1 |
| *Doctoral degree* | 10 | 1 | 7 | 2 |
| Current/PreviousMarriage |  |  |  |  |
| Yes |  |  |  |  |
| *Married* | 206 | 17 | 103 | 86 |
| *Separated* | 40 | 3 | 6 | 31 |
| *Divorced* | 117 | 14 | 45 | 58 |
| *Annulled* | 18 | 2 | 6 | 10 |
| No |  |  |  |  |
| *Never Married* | 548 | 70 | 153 | 325 |

Table S4. Exploratory post-hoc comparisons of posttraumatic dysfunction at each timepoint by racial/ethnic group.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Total** | **Hispanic** | **White** | **Black** | **H vs. W** | **H vs. B** | **W vs. B** |
|   |  *M (SD)* | *M (SD)* | *M (SD)* | *M (SD)* | *t (p-value)* | *t (p-value)* | *t (p-value)* |
| ***PTSD*** |  |  |  |  |  |  |  |
| *Week 2* | 31.16 (19.2) | 33.64 (21.03) | 30.27 (17.74) | 31.19 (19.65) | 1.48 (0.140)# | 1.15 (0.249) | -0.68 (0.497) |
| *Week 8* | 27.89 (19.46) | 30.74 (20.00) | 27.43 (17.59) | 27.59 (20.41) | 1.62 (0.107) | 1.45 (0.147) | -0.12 (0.907)# |
| *Month 3* | 24.72 (18.94) | 27.29 (19.64) | 23.78 (17.53) | 24.76 (19.60) | 1.73 (0.084) | 1.21 (0.226) | -0.73 (0.469) |
| ***Depression*** |  |  |  |  |  |  |  |
| *Week 2* | 54.8 (10.49) | 55.93 (10.91) | 55.70 (9.60) | 54.01 (10.88) | 0.21 (0.833) | 1.66 (0.098) | 2.33 (0.020)# |
| *Week 8* | 53.96 (10.96) | 56.64 (11.73) | 54.70 (10.25) | 52.94 (11.13) | 1.63 (0.105) | 3.08 (0.002) | 2.31 (0.021)# |
| *Month 3* | 52.98 (11.15) | 55.27 (10.28) | 53.82 (10.31) | 51.99 (11.71) | 1.26 (0.210) | 2.92 (0.004) # | 2.35 (0.019)# |
| ***Dissociation*** |  |  |  |  |  |  |  |
| *Week 2* | 1.71 (2.13) | 2.11 (2.38) | 1.59 (2.00) | 1.70 (2.14) | 2.02 (0.045)# | 1.75 (0.080) | -0.74 (0.457) |
| *Week 8* | 1.72 (2.14) | 2.09 (2.37) | 1.52 (1.91) | 1.77 (2.21) | 2.27 (0.025) # | 1.35 (0.178) | -1.74 (0.082)# |
| *Month 3* | 1.57 (2.01) | 1.77 (2.00) | 1.28 (1.72) | 1.71 (2.16) | 2.43 (0.015) | 0.27 (0.786) | -3.14 (0.002)# |
| ***Anxiety*** |  |  |  |  |  |  |  |
| *Week 2* | 7.84 (4.6) | 8.70 (4.87) | 8.45 (4.38) | 7.29 (4.62) | 0.50 (0.618) | 2.84 (0.005) | 3.57 (<0.001) |
| *Week 8* | 7.16 (4.69) | 7.93 (5.14) | 7.77 (4.39) | 6.62 (4.72) | 0.29 (0.774) # | 2.58 (0.010) | 3.57 (<0.001)# |
| *Month 3* | 6.51 (4.67) | 7.44 (4.65) | 7.07 (4.40) | 5.97 (4.78) | 0.75 (0.453) | 2.89 (0.004) | 3.29 (0.001) |
| ***Resilience*** |  |  |  |  |  |  |  |
| *Week 2* | 22.74 (7.87) | 21.23 (8.50) | 22.28 (7.28) | 23.33 (8.03) | -1.14 (0.256)#  | -2.43 (0.015) | -1.90 (0.058) |
| *Week 8* | 22.68 (8.79) | 21.08 (9.09) | 22.85 (7.59) | 22.91 (9.38) | -1.80 (0.074)# | -1.84 (0.066) | -0.11 (0.915)# |
| *Month 3* | 22.5 (9.13) | 21.06 (9.31) | 23.25 (7.68) | 22.35 (9.86) | -2.19 (0.030)# | -1.24 (0.217) | 1.47 (0.142)# |

Descriptive statistics are presented as Mean (Standard Deviation). Inferential statistics are presented as F-statistic or T-statistic (p-value). ANOVA = Analysis of Variance. H = Hispanic, W = White, B = Black. #Indicates t-statistic was corrected due to violation of Levene’s Test for Equality of Variances.

Table S5. Retrospective reports of posttraumatic dysfunction within ED.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | HA | WA | BA | ANOVA | H vs. W | H vs. B | W vs. B |
|  | *Mean (SD)* | *F-Statistic (p-value)* | *T-statistic (p-value)* |
| PTSD | 34.14 (13.29) | 30.87 (14.89) | 32.00 (15.16) | 1.20 (0.302) | 1.59 (0.113) | 1.09 (0.276) | -0.78 (0.438) |
| Depression | 50.11 (10.70) | 49.35 (10.22) | 47.55 (10.79) | 4.25 (0.015) | 0.66 (0.512) | 2.22 (0.027) | 2.39 (0.017)# |
| Dissociation | 1.00 (1.78) | 0.41 (1.07) | 0.73 (1.47) | 8.93 (<0.001) | 3.21 (0.002)# | 1.44 (0.152)# | -3.64 (<0.001)# |
| Anxiety | 6.57 (4.89) | 5.48 (4.38) | 4.51 (4.74) | 10.48 (<0.001) | 2.02 (0.045)# | 4.04 (<0.001) | 2.95 (0.003) |

Note: Retrospective reports are the past 30 days prior to trauma. Descriptive statistics are presented as Mean (Standard Deviation). Inferential statistics are presented as F-statistic or T-statistic (p-value). ANOVA = Analysis of Variance. H = Hispanic, W = White, B = Black. #Indicates t-statistic was corrected due to violation of Levene’s Test for Equality of Variances.

Table S6. Follow-up linear mixed-effects models controlling for retrospective symptom reports.

|  |  |
| --- | --- |
|  | Model A1 |
|  | PTSD | Depression | Dissociation | Anxiety |
| Intercept | 78.22 (<0.001) | 545.80 (<0.001) | 345.31 (<0.001) | 617.10 (<0.001) |
| Pre-ED Symptoms | 138.45 (< 0.001) | 426.78 (< 0.001) | 242.63 (< 0.001) | 346.53 (<0.001) |
| Race | 0.65 (0.521) | 2.60 (0.075) | 0.72 (0.486) | 3.58 (0.028) |
| Time | 32.12 (<0.001) | 9.70 (<0.001) | 6.13 (0.002) | 37.57 (<0.001) |
| Time\*Race | 0.23 (0.919) | 1.19 (0.313) | 1.80 (0.126) | 0.07 (0.991) |

Note: Pre-ED symptoms refer to retrospective reports for each measure of posttraumtic dysfunction. Inferential statistics are presented as F-statistic (p-value). ED = Emergency Department.