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| **Table S1.** Demographic characteristics of 26,264 adults exposed to the World Trade Center disaster by probable PTSD classification | | | | | | | | | | | | | | | |
|  |  | **Overall** | |  | | **Never PTSD** | |  | | **Intermittent PTSD** | |  | | **Chronic PTSD** | p-value\* |
| **Characteristic, N (%)** |  | (N=26,264) | |  | | (N=19,322) | |  | | (N=5,212) | |  | | (N=1,730) |
| **Weight (lbs)** |  |  | |  | |  | |  | |  | |  | |  |  |
| Wave 3, mean (SD) |  | 185.4 (43.4) | |  | | 183.9 (42.4) | |  | | 189.7 (45.7) | |  | | 189.0 (47.0) | <0.01 |
| Wave 4, mean (SD) |  | 186.6 (43.9) | |  | | 185.2 (43.0) | |  | | 190.9 (46.2) | |  | | 189.3 (46.4) | <0.01 |
| **Age, Wave 3 (years)** |  |  | |  | |  | |  | |  | |  | |  | <0.01 |
| 25-44 |  | 6065 (23.1) | |  | | 4580 (23.7) | |  | | 1195 (22.9) | |  | | 290 (16.8) |  |
| 45-59 |  | 12,904 (49.1) | |  | | 9132 (47.2) | |  | | 2780 (53.3) | |  | | 992 (57.3) |  |
| 60+ |  | 7295 (27.8) | |  | | 5610 (29.1) | |  | | 1237 (23.7) | |  | | 448 (25.9) |  |
| **Sex** |  |  | |  | |  | |  | |  | |  | |  | <0.01 |
| Male |  | 16,463 (62.7) | |  | | 12,440 (64.4) | |  | | 3113 (59.7) | |  | | 910 (52.6) |  |
| Female |  | 9801 (37.3) | |  | | 6882 (35.6) | |  | | 2099 (40.3) | |  | | 820 (47.4) |  |
| **Race/Ethnicity** |  |  | |  | |  | |  | |  | |  | |  | <0.01 |
| Non-Hispanic white |  | 19,461 (74.1) | |  | | 14,970 (77.5) | |  | | 3504 (67.2) | |  | | 987 (57.1) |  |
| Non-Hispanic black |  | 2221 (8.5) | |  | | 1472 (7.6) | |  | | 536 (10.3) | |  | | 213 (12.3) |  |
| Hispanic |  | 2659 (10.1) | |  | | 1527 (7.9) | |  | | 757 (14.5) | |  | | 375 (21.7) |  |
| Asian |  | 1211 (4.6) | |  | | 891 (4.6) | |  | | 240 (4.6) | |  | | 80 (4.6) |  |
| Other |  | 712 (2.7) | |  | | 462 (2.4) | |  | | 175 (3.4) | |  | | 75 (4.3) |  |
| **aEducation, Wave1** |  |  | |  | |  | |  | |  | |  | |  | <0.01 |
| Less than HS Grad/GED |  | 5128 (19.6) | |  | | 3314 (17.2) | |  | | 1260 (24.3) | |  | | 554 (32.1) |  |
| Some College |  | 6484 (24.7) | |  | | 4527 (23.5) | |  | | 1449 (27.8) | |  | | 508 (29.4) |  |
| College Grad |  | 8718 (33.3) | |  | | 6661 (34.5) | |  | | 1610 (31.0) | |  | | 447 (25.9) |  |
| Graduate Degree |  | 5875 (22.4) | |  | | 4781 (24.9) | |  | | 876 (16.9) | |  | | 218 (12.6) |  |
| **Pre 9/11 Physical Health Conditions** | | |  | |  | |  | |  | |  | |  | | 0.03 |
| No conditions |  | 21,779 (82.9) | |  | | 15,951 (82.6) | |  | | 4395 (84.3) | |  | | 1433 (82.8) |  |
| 1 condition |  | 3793 (14.4) | |  | | 2852 (14.8) | |  | | 697 (13.4) | |  | | 244 (14.1) |  |
| 2+ conditions |  | 692 (2.6) | |  | | 519 (2.7) | |  | | 120 (2.3) | |  | | 53 (3.1) |  |
| **Pre 9/11 Mental Health Conditions** | | |  | |  | |  | |  | |  | |  | | <0.01 |
| No |  | 24,650 (93.9) | |  | | 18,274 (94.6) | |  | | 4796 (92.0) | |  | | 1580 (91.3) |  |
| Yes |  | 1614 (6.2) | |  | | 1048 (5.4) | |  | | 416 (8.0) | |  | | 150 (8.7) |  |
| **bPhysical Injury on 9/11** |  |  | |  | |  | |  | |  | |  | |  | <0.01 |
| No Injury |  | 22,679 (86.8) | |  | | 17,517 (91.0) | |  | | 4059 (78.6) | |  | | 1103 (64.8) |  |
| 1 Injury |  | 2539 (9.7) | |  | | 1378 (7.2) | |  | | 790 (15.3) | |  | | 371 (21.8) |  |
| 2+ Injuries |  | 901 (3.5) | |  | | 360 (1.9) | |  | | 314 (6.1) | |  | | 227 (13.4) |  |
| \*p-value using chi-square test for categorical variables and one-way ANOVA for means *Abbreviations:* N: Number; PTSD: post-traumatic stress disorder aN=59 missing education, bN=145 missing physical injury | | | | | | | | | | | | | | | |

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| **Table S2.** Weight change over time by PTSD history in males and females by age group, World Trade Center Health Registry, 2003-2012, including those with weight loss >25% | | | | | | | | | |
| **PTSD History by Age Category** | **Females** | | | |  | **Males** | | | |
| W3 Weight | W4 Weight | Weight Δ (95% CI) | |  | W3 Weight | W4 Weight | Weight Δ (95% CI) | |
| **Age 25-44** |  |  |  |  |  |  |  |  |  |
| Never | 162.00 | 165.80 | **3.79** | **(3.22, 4.36)** |  | 198.49 | 200.74 | **2.24** | **(1.68, 2.81)** |
| Intermittent | 172.55 | 177.37 | **4.82** | **(3.63, 6.01)** |  | 203.58 | 207.01 | **3.42** | **(1.98, 4.87)** |
| Chronic | 174.19 | 179.05 | **4.86** | **(1.86, 7.87)** |  | 206.14 | 206.71 | 0.57 | (-2.76, 3.90) |
| **Age 45-59** |  |  |  |  |  |  |  |  |  |
| Never | 169.32 | 171.72 | **2.40** | **(1.88, 2.92)** |  | 202.71 | 203.81 | **1.09** | **(0.74, 1.44)** |
| Intermittent | 176.78 | 177.43 | 0.66 | (-0.49, 1.80) |  | 207.43 | 207.96 | 0.53 | (-0.27, 1.33) |
| Chronic | 174.76 | 175.97 | 1.21 | (-0.45, 2.87) |  | 208.65 | 208.09 | -0.56 | (-1.90, 0.78) |
| **Age 60+** |  |  |  |  |  |  |  |  |  |
| Never | 163.83 | 163.47 | -0.63 | (-1.32, 0.05) |  | 190.37 | 189.38 | **-0.99** | **(-1.45, -0.53)** |
| Intermittent | 170.19 | 168.38 | **-1.81** | **(-3.40, -0.22)** |  | 196.81 | 194.12 | **-2.69** | **(-3.95, -1.42)** |
| Chronic | 171.46 | 163.19 | **-4.11** | **(-5.77, -2.45)** |  | 196.72 | 195.86 | -0.86 | (-2.80, 1.07) |
| Abbreviations: PTSD, posttraumatic stress disorder; CI, confidence interval Models adjusted for the following covariates: race/ethnicity, number of physical injuries on 9/11, W1 education, mental health conditions pre-9/11, number of pre-9/11 chronic conditions \*Female analytic sample size, Age 25-44, N=2,629; Age 45-59, N=4,274; Age 60+, N=2,833  \*\*Male analytic sample size:, Age 25-44, N=3,402; Age 45-59, N= 8,589; Age 60+, N=4,410 | | | | | | | | | |