**Supplemental Digital Content Table 3.** *Demographic and injury characteristics of the present sample*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | OI (N = 23) | | |  | cmTBI (N = 15) | | |  | msTBI (N = 23) | | |  | Statisitics | | |
|  | *N* | | % |  | *N* | | *%* |  | *N* | | % |  | χ2 | *df* | *p* |
| Site |  |  |  |  |  |  |  |  |  |  |  |  | 6.70 | 2 | .042 |
| Houston |  | 16 | 69.57 |  |  | 4 | 26.67 |  |  | 12 | 52.17 |  |  |  |  |
| Dallas |  | 7 | 30.43 |  |  | 11 | 73.33 |  |  | 11 | 47.83 |  |  |  |  |
| Sex |  |  |  |  |  |  |  |  |  |  |  |  | 1.14 | 2 | .653 |
| Male |  | 14 | 60.87 |  |  | 9 | 60.00 |  |  | 17 | 73.91 |  |  |  |  |
| Female |  | 9 | 39.13 |  |  | 6 | 40.00 |  |  | 6 | 26.09 |  |  |  |  |
| Ethnicity |  |  |  |  |  |  |  |  |  |  |  |  | 8.38 | 8 | .383 |
| Caucasian |  | 7 | 30.43 |  |  | 6 | 40.00 |  |  | 12 | 52.17 |  |  |  |  |
| African Am. |  | 4 | 17.39 |  |  | 1 | 6.67 |  |  | 1 | 4.35 |  |  |  |  |
| Hispanic |  | 11 | 47.83 |  |  | 6 | 40.00 |  |  | 8 | 34.78 |  |  |  |  |
| Asian Am. |  | 0 | 0.00 |  |  | 2 | 13.33 |  |  | 2 | 8.70 |  |  |  |  |
| Native Am. |  | 1 | 4.35 |  |  | 0 | 0.00 |  |  | 0 | 0.00 |  |  |  |  |
| Mechanism |  |  |  |  |  |  |  |  |  |  |  |  | 19.15 | 10 | .015 |
| Fall |  | 7 | 30.43 |  |  | 6 | 40.00 |  |  | 5 | 21.74 |  |  |  |  |
| MVA-Pass |  | 2 | 8.70 |  |  | 2 | 13.33 |  |  | 11 | 47.83 |  |  |  |  |
| MVA-Ped |  | 0 | 0.00 |  |  | 1 | 6.67 |  |  | 1 | 4.35 |  |  |  |  |
| RVA |  | 1 | 4.35 |  |  | 2 | 13.33 |  |  | 3 | 13.04 |  |  |  |  |
| Sports/Play |  | 12 | 52.17 |  |  | 4 | 26.67 |  |  | 3 | 13.04 |  |  |  |  |
| Unknown |  | 1 | 4.35 |  |  | 0 | 0.00 |  |  | 0 | 0.00 |  |  |  |  |
| Velocity |  |  |  |  |  |  |  |  |  |  |  |  | 13.49 | 2 | .001 |
| High |  | 3 | 13.04 |  |  | 5 | 33.33 |  |  | 15 | 65.22 |  |  |  |  |
| Low |  | 20 | 86.96 |  |  | 10 | 66.67 |  |  | 8 | 34.78 |  |  |  |  |
| Duration of PTA |  |  |  |  |  |  |  |  |  |  |  |  | 72.20 | 8 | .000 |
| None |  | 22 | 95.65 |  |  | 2 | 13.33 |  |  | 0 | 0.00 |  |  |  |  |
| < 1 hr |  | 0 | 0.00 |  |  | 6 | 40.00 |  |  | 2 | 8.70 |  |  |  |  |
| 1-24 hrs |  | 0 | 0.00 |  |  | 1 | 6.67 |  |  | 3 | 13.04 |  |  |  |  |
| > 24 hrs |  | 0 | 0.00 |  |  | 0 | 0.00 |  |  | 13 | 56.52 |  |  |  |  |
| Unknown |  | 1 | 4.35 |  |  | 6 | 40.00 |  |  | 5 | 21.74 |  |  |  |  |
|  | *M* | *SD* | Range |  | *M* | *SD* | Range |  | *M* | *SD* | Range |  | χ2 | *df* | *p* |
| Age | 14.23 | 2.51 | 10.62–19.39 |  | 15.30 | 3.00 | 10.61–18.95 |  | 15.54 | 1.94 | 10.71–18.54 |  | 3.72 | 2 | .156 |
| Age at Injury | 13.02 | 2.48 | 9.52–18.14 |  | 14.17 | 2.96 | 9.62–17.97 |  | 14.40 | 1.94 | 9.61–17.49 |  | 4.16 | 2 | .125 |
| TSI | 14.44 | 1.99 | 12.09–21.13 |  | 13.60 | 2.40 | 11.83–20.53 |  | 13.64 | 1.21 | 12.19–16.03 |  | 5.70 | 2 | .579 |
|  |  |  |  |  |  |  |  |  |  |  |  |  | *F* | *df* | *p* |
| SCIa | 0.01 | 1.04 | -1.97–2.16 |  | 0.24 | 0.96 | -1.81–1.46 |  | 0.12 | 0.96 | -1.80–1.74 |  | 0.25 | 2, 57 | .779 |
| FSIQ | 103.96 | 8.75 | 88–119 |  | 110.80 | 6.41 | 97–121 |  | 101.39 | 8.03 | 88–113 |  | 6.49 | 2, 58 | .003 |
| GCS Low | - | - | - |  | 14.27 | 0.88 | 13–15 |  | 3.91 | 2.21 | 3–10 |  | - | - | - |

*Note.* OI = orthopedic injury. cmTBI = complicated mild traumatic brain injury. msTBI = moderate-to-severe traumatic brain injury. MVA-Pass = motorized vehicle accident, passenger. MVA-Ped = motorized vehicle accident, pedestrian. RVA = recreational vehicle accident. PTA = posttraumatic amnesia. TSI = time-since-injury (months). SCI = socioeconomic composite index (z-score). FSIQ = Wechsler Abbreviated Scale of Intelligence – Second edition (WASI-II) Full-scale IQ (standard score). GCS Low = lowest 24-hour Glasgow Coma Scale score.

a*N*OI = 22 brain injury. Small, medium, and large effect sizes are indicated by Cohen's *f* ≥ .10, .25, and .40, respectively.