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| **Supplemental Table 1**. **Demographic, clinical, and biomarker variables and outcome measures in the pediatric trauma cohort stratified by injury severity score** |
|  | ISS ≤25 (n = 26) | ISS >25(n = 26) | *P* value |
| Demographics |  |  |  |
|  Age (years) | 11.2 (5.5, 13.5) | 9.1 (6.6, 14.2) | 0.855 |
|  Weight (kg) | 36 (20, 59.3) | 35.2 (23.4, 61.4) | 0.641 |
|  Male gender | 19 (73) | 21 (81) | 0.510 |
|  Race  |  |  | 0.777 |
|  White | 15 (58) | 16 (62) |  |
|  Black | 11 (42) | 10 (38) |  |
|  |  |  |  |
| Injury Characteristics |  |  |  |
|  Injury severity score | 18 (10, 20) | 34 (29, 41) | **<0.001** |
|  Mechanism of injury |  |  | **0.010** |
|  Blunt | 19 (73) | 26 (100) |  |
|  Penetrating | 7 (27) | 0 |  |
|  Time from injury (hrs) | 1.5 (0.8, 2.9) | 2.6 (1.2, 4.2) | **0.046** |
|  |  |  |  |
| Admission Physiologic Variables |  |  |  |
|  Heart rate (beats min-1) | 112 (91, 132) | 133 (113, 149) | **0.044** |
|  Systolic blood pressure (mmHg) | 144 (127, 154) | 135 (111, 159) | 0.617 |
|  Base excess (mmol L-1) | -2 (-1, -5) | -5 (-4, -7) | **0.006** |
|  Lactate (mmol L-1) | 2.2 (1.7, 3) | 3.6 (2, 6) | 0.058 |
|  INR | 1.1 (1, 1.2) | 1.3 (1.1, 1.5) | **0.002** |
|  PTT (sec) | 27.2 (25.5, 29.4) | 29.1 (25.4, 34.9) | 0.297 |
|  |  |  |  |
| Outcomes |  |  |  |
|  Total blood transfused (mL) | 0 | 238 (0, 666) | **0.003** |
|  MV duration (hours) | 0 (0, 48) | 72 (24, 216) | **<0.001** |
|  PICU LOS (days) | 1 (0, 3) | 4 (2, 10) | **0.001** |
|  Hospital LOS (days) | 6 (3, 10) | 19 (6, 29) | **0.002** |

Data are presented as median (interquartile range) or number (%).

*P* value from Mann Whitney U test indicates bivariate comparison of the respective variables between injury severity groups.

INR indicates international normalized ratio; ISS, injury severity score; LOS, length of stay; MV, mechanical ventilation; PICU, pediatric intensive care unit; PTT, partial thromboplastin time.