**Table 4.** Proportions of Standard Score Declines on ANAM Subtests by Duration of LOC for Patients with TBI Who Were Evaluated Within 72 Hours of Index Event (N = 54)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | LOC Duration | | | | | | | | | | |  |  |  |  |
|  |  | No LOC | |  | < 1 min | |  | 1-20 mins | |  | 20+ mins | |  | ** | *p* | ** |
|  |  | (n = 32) | |  | (n = 11) | |  | (n = 9) | |  | (n = 2) | |  |  |  |  |
|  |  | *n* | *%* |  | *n* | *%* |  | *n* | *%* |  | *n* | *%* |  |  |  |  |
| **Speed** | | | | | | | | | | | | | | | | |
| SRT | < .5 SD | 17 | 53.1% |  | 7 | 63.6% |  | 3 | 33.3% |  | 1 | 50.0% |  | 10.787 | 0.291 | 0.447 |
|  | .5 - 1 SD | 2 | 6.3% |  | 3 | 27.3% |  | 0 | 0.0% |  | 0 | 0.0% |  |  |  |  |
|  | 1 - 2 SD | 2 | 6.3% |  | 0 | 0.0% |  | 1 | 11.1% |  | 0 | 0.0% |  |  |  |  |
|  | > 2 SD | 11 | 34.4% |  | 1 | 9.1% |  | 5 | 55.6% |  | 1 | 50.0% |  |  |  |  |
| PRT | < .5 SD | 11 | 37.9% |  | 7 | 70.0% |  | 4 | 44.4% |  | 1 | 50.0% |  | 9.956 | 0.354 | 0.446 |
|  | .5 - 1 SD | 5 | 17.2% |  | 2 | 20.0% |  | 0 | 0.0% |  | 1 | 50.0% |  |  |  |  |
|  | 1 - 2 SD | 5 | 17.2% |  | 1 | 10.0% |  | 1 | 11.1% |  | 0 | 0.0% |  |  |  |  |
|  | > 2 SD | 8 | 27.6% |  | 0 | 0.0% |  | 4 | 44.4% |  | 0 | 0.0% |  |  |  |  |
| CSL | < .5 SD | 16 | 51.6% |  | 8 | 80.0% |  | 4 | 44.4% |  | 2 | 100.0% |  | 11.626 | 0.235 | 0.473 |
|  | .5 - 1 SD | 7 | 22.6% |  | 1 | 10.0% |  | 1 | 11.1% |  | 0 | 0.0% |  |  |  |  |
|  | 1 - 2 SD | 4 | 12.9% |  | 1 | 10.0% |  | 0 | 0.0% |  | 0 | 0.0% |  |  |  |  |
|  | > 2 SD | 4 | 12.9% |  | 0 | 0.0% |  | 4 | 44.4% |  | 0 | 0.0% |  |  |  |  |
| CSD | < .5 SD | 15 | 46.9% |  | 8 | 72.7% |  | 5 | 55.6% |  | 1 | 50.0% |  | 9.629 | 0.381 | 0.422 |
|  | .5 - 1 SD | 5 | 15.6% |  | 0 | 0.0% |  | 1 | 11.1% |  | 1 | 50.0% |  |  |  |  |
|  | 1 - 2 SD | 2 | 6.3% |  | 2 | 18.2% |  | 0 | 0.0% |  | 0 | 0.0% |  |  |  |  |
|  | > 2 SD | 10 | 31.3% |  | 1 | 9.1% |  | 3 | 33.3% |  | 0 | 0.0% |  |  |  |  |
| MATH | < .5 SD | 16 | 50.0% |  | 8 | 72.7% |  | 2 | 22.2% |  | 1 | 50.0% |  | 9.928 | 0.356 | 0.429 |
|  | .5 - 1 SD | 5 | 15.6% |  | 2 | 18.2% |  | 1 | 11.1% |  | 0 | 0.0% |  |  |  |  |
|  | 1 - 2 SD | 8 | 25.0% |  | 1 | 9.1% |  | 3 | 33.3% |  | 1 | 50.0% |  |  |  |  |
|  | > 2 SD | 3 | 9.4% |  | 0 | 0.0% |  | 3 | 33.3% |  | 0 | 0.0% |  |  |  |  |
| SM | < .5 SD | 17 | 53.1% |  | 8 | 72.7% |  | 3 | 33.3% |  | 1 | 50.0% |  | 7.619 | 0.573 | 0.376 |
|  | .5 - 1 SD | 4 | 12.5% |  | 2 | 18.2% |  | 2 | 22.2% |  | 0 | 0.0% |  |  |  |  |
|  | 1 - 2 SD | 6 | 18.8% |  | 0 | 0.0% |  | 1 | 11.1% |  | 0 | 0.0% |  |  |  |  |
|  | > 2 SD | 5 | 15.6% |  | 1 | 9.1% |  | 3 | 33.3% |  | 1 | 50.0% |  |  |  |  |
| **Accuracy** | | | | | | | | | | | | | | | | |
| SRT | < .5 SD | 31 | 96.9% | 9 | 11 | 100.0% |  | 9 | 100.0% |  | 2 | 100.0% |  | 0.700 | 0.873 | 0.114 |
|  | .5 - 1 SD | 0 | 0.0% |  | 0 | 0.0% |  | 0 | 0.0% |  | 0 | 0.0% |  |  |  |  |
|  | 1 - 2 SD | 0 | 0.0% |  | 0 | 0.0% |  | 0 | 0.0% |  | 0 | 0.0% |  |  |  |  |
|  | > 2 SD | 1 | 3.1% |  | 0 | 0.0% |  | 0 | 0.0% |  | 0 | 0.0% |  |  |  |  |
| PRT | < .5 SD | 22 | 68.8% |  | 9 | 81.8% |  | 4 | 44.4% |  | 1 | 50.0% |  | 15.950 | 0.068 | 0.543 |
|  | .5 - 1 SD | 0 | 0.0% |  | 1 | 9.1% |  | 3 | 33.3% |  | 0 | 0.0% |  |  |  |  |
|  | 1 - 2 SD | 7 | 21.9% |  | 0 | 0.0% |  | 1 | 11.1% |  | 1 | 50.0% |  |  |  |  |
|  | > 2 SD | 3 | 9.4% |  | 1 | 9.1% |  | 1 | 11.1% |  | 0 | 0.0% |  |  |  |  |
| CSL | < .5 SD | 29 | 90.6% |  | 9 | 81.8% |  | 8 | 88.9% |  | 2 | 100.0% |  | 6.740 | 0.664 | 0.353 |
|  | .5 - 1 SD | 1 | 3.1% |  | 2 | 18.2% |  | 0 | 0.0% |  | 0 | 0.0% |  |  |  |  |
|  | 1 - 2 SD | 1 | 3.1% |  | 0 | 0.0% |  | 1 | 11.1% |  | 0 | 0.0% |  |  |  |  |
|  | > 2 SD | 1 | 3.1% |  | 0 | 0.0% |  | 0 | 0.0% |  | 0 | 0.0% |  |  |  |  |
| CSD | < .5 SD | 27 | 84.4% |  | 7 | 63.6% |  | 5 | 55.6% |  | 1 | 50.0% |  | 12.034 | 0.211 | 0.472 |
|  | .5 - 1 SD | 2 | 6.3% |  | 0 | 0.0% |  | 1 | 11.1% |  | 1 | 50.0% |  |  |  |  |
|  | 1 - 2 SD | 1 | 3.1% |  | 1 | 9.1% |  | 1 | 11.1% |  | 0 | 0.0% |  |  |  |  |
|  | > 2 SD | 2 | 6.3% |  | 3 | 27.3% |  | 2 | 22.2% |  | 0 | 0.0% |  |  |  |  |
| MATH | < .5 SD | 24 | 75.0% |  | 10 | 90.9% |  | 4 | 44.4% |  | 2 | 100.0% |  | 9.928 | 0.356 | 0.429 |
|  | .5 - 1 SD | 3 | 9.4% |  | 0 | 0.0% |  | 3 | 33.3% |  | 0 | 0.0% |  |  |  |  |
|  | 1 - 2 SD | 3 | 9.4% |  | 1 | 9.1% |  | 2 | 22.2% |  | 0 | 0.0% |  |  |  |  |
|  | > 2 SD | 2 | 6.3% |  | 0 | 0.0% |  | 0 | 0.0% |  | 0 | 0.0% |  |  |  |  |
| SM | < .5 SD | 22 | 68.8% |  | 9 | 81.8% |  | 5 | 55.6% |  | 1 | 50.0% |  | 7.850 | 0.549 | 0.381 |
|  | .5 - 1 SD | 4 | 12.5% |  | 0 | 0.0% |  | 0 | 0.0% |  | 0 | 0.0% |  |  |  |  |
|  | 1 - 2 SD | 2 | 6.3% |  | 1 | 9.1% |  | 2 | 22.2% |  | 0 | 0.0% |  |  |  |  |
|  | > 2 SD | 4 | 12.5% |  | 1 | 9.1% |  | 2 | 22.2% |  | 1 | 50.0% |  |  |  |  |
| **Throughput** | | | | | | | | | | | | | | | | |
| SRT | < .5 SD | 15 | 46.9% |  | 7 | 63.6% |  | 3 | 33.3% |  | 1 | 50.0% |  | 5.933 | 0.747 | 0.331 |
|  | .5 - 1 SD | 3 | 9.4% |  | 1 | 9.1% |  | 0 | 0.0% |  | 0 | 0.0% |  |  |  |  |
|  | 1 - 2 SD | 3 | 9.4% |  | 2 | 18.2% |  | 2 | 22.2% |  | 0 | 0.0% |  |  |  |  |
|  | > 2 SD | 11 | 34.4% |  | 1 | 9.1% |  | 4 | 44.4% |  | 1 | 50.0% |  |  |  |  |
| PRT | < .5 SD | 13 | 40.6% |  | 8 | 72.7% |  | 4 | 44.4% |  | 1 | 50.0% |  | 11.159 | 0.265 | 0.455 |
|  | .5 - 1 SD | 4 | 12.5% |  | 2 | 18.2% |  | 0 | 0.0% |  | 1 | 0.0% |  |  |  |  |
|  | 1 - 2 SD | 6 | 18.8% |  | 1 | 9.1% |  | 1 | 11.1% |  | 0 | 0.0% |  |  |  |  |
|  | > 2 SD | 9 | 28.1% |  | 0 | 0.0% |  | 4 | 44.4% |  | 0 | 50.0% |  |  |  |  |
| CSL | < .5 SD | 18 | 56.3% |  | 10 | 90.9% |  | 4 | 44.4% |  | 2 | 100.0% |  | 7.938 | 0.540 | 0.383 |
|  | .5 - 1 SD | 5 | 15.6% |  | 0 | 0.0% |  | 1 | 11.1% |  | 0 | 0.0% |  |  |  |  |
|  | 1 - 2 SD | 5 | 15.6% |  | 1 | 9.1% |  | 2 | 22.2% |  | 0 | 0.0% |  |  |  |  |
|  | > 2 SD | 4 | 12.5% |  | 0 | 0.0% |  | 2 | 22.2% |  | 0 | 0.0% |  |  |  |  |
| CSD | < .5 SD | 18 | 56.3% |  | 9 | 81.8% |  | 5 | 55.6% |  | 1 | 50.0% |  | 6.635 | 0.675 | 0.351 |
|  | .5 - 1 SD | 6 | 18.8% |  | 0 | 0.0% |  | 1 | 11.1% |  | 1 | 50.0% |  |  |  |  |
|  | 1 - 2 SD | 5 | 15.6% |  | 1 | 9.1% |  | 1 | 11.1% |  | 0 | 0.0% |  |  |  |  |
|  | > 2 SD | 3 | 9.4% |  | 1 | 9.1% |  | 2 | 22.2% |  | 0 | 0.0% |  |  |  |  |
| MATH | < .5 SD | 21 | 67.7% |  | 11 | 100.0% |  | 4 | 44.4% |  | 1 | 50.0% |  | 19.285 | 0.023 | 0.603 |
|  | .5 - 1 SD | 3 | 9.7% |  | 0 | 0.0% |  | 0 | 0.0% |  | 1 | 50.0% |  |  |  |  |
|  | 1 - 2 SD | 5 | 16.1% |  | 0 | 0.0% |  | 5 | 55.6% |  | 0 | 0.0% |  |  |  |  |
|  | > 2 SD | 2 | 6.5% |  | 0 | 0.0% |  | 0 | 0.0% |  | 0 | 0.0% |  |  |  |  |
| SM | < .5 SD | 14 | 43.8% |  | 9 | 81.8% |  | 3 | 33.3% |  | 1 | 50.0% |  | 13.213 | 0.153 | 0.495 |
|  | .5 - 1 SD | 10 | 31.3% |  | 1 | 9.1% |  | 1 | 11.1% |  | 0 | 0.0% |  |  |  |  |
|  | 1 - 2 SD | 5 | 15.6% |  | 1 | 9.1% |  | 3 | 33.3% |  | 0 | 0.0% |  |  |  |  |
|  | > 2 SD | 3 | 9.4% |  | 0 | 0.0% |  | 2 | 22.2% |  | 1 | 50.0% |  |  |  |  |

*Note.* LOC = Loss of Consciousness; TBI = Traumatic Brain Injury; SRT = Simple Reaction Time; PRT = Procedural Reaction Time; CSL = Code Substitution-Learning; CSD = Code Substitution-Delayed; MATH = Mathematical Processing; SM = Spatial Memory