|  |  |  |
| --- | --- | --- |
|  | **Fitting set**  | **Validation set** |
| **Model** | Likelihood ratio  | c-index (95% CI) | c-index (95% CI) |
| SAPS-II | 15.60 | 0.69 (0.60 to 0.79) | 0.72 (0.55 to 0.89)  |
| BRASS | 46.14 | 0.82 (0.74 to 0.90) | 0.69 (0.54 to 0.84)  |
| BRASS and SAPS-II | 49.49 | 0.84 (0.77 to 0.92) | 0.74 (0.58 to 0.90)  |
| FOUR score  | 27.13 | 0.76 (0.67 to 0.84) | 0.65 (0.49 to 0.80)  |
| FOUR score and SAPS-II | 37.13 | 0.81 (0.74 to 0.89) | 0.74 (0.58 to 0.90)  |

**S4-Table. Association of the BRASS and FOUR score with 28-day mortality.**

The p-values compare the c-index of the models to the model with SAPS-II only. SAPS-II: Simplified Acute Physiology Score II; BRASS: Brainstem Responses Assessment Sedation Score; FOUR: Full Outline Of Unresponsiveness.