**Table 3:** Performance for the different prognostic models in patients with planned and unplanned ICU admission.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Prognostic model** | **Discrimination** | **Goodness-of-fit C test** | **Predicted mortality****(%; mean and SD)** | **Standardized mortality ratio** |
| **AROC****(95% CI)** | **p** | **χ2** | **P** | **SMR****(95% CI)** | **p** |
| Patients with planned ICU admission (n = 270; observed ICU mortality = 13.3%) |  |
| APACHE-IICCP | 0.97(0.95-0.99) | < 0.0001 | 7.63 | 0.470 | 16.54(27.20) | 0.81(0.51-1.27) | 0.430 |
| APACHE-II | 0.96(0.92-1.00) | < 0.0001 | 50.78 | < 0.0001 | 16.77(17.74) | 0.80(0.50-1.25) | 0.402 |
| SAPS-3 | 0.95(0.90-0.99) | < 0.0001 | 5.97 | 0.543 | 23.01(22.64) | 0.58(0.37-0.91) | 0.045 |
| SAPS-3CSA | 0.95(0.90-0.99) | < 0.0001 | 9.91 | 0.194 | 26.50(25.42) | 0.50(0.32-0.79) | 0.011 |
| Patients with unplanned ICU admission (n = 144; observed ICU mortality = 68.8%) |  |
| APACHE-IICCP | 0.97(0.94-1.00) | < 0.0001 | 8.20 | 0.414 | 59.90(30.89) | 1.15(0.91-1.42) | 0.253 |
| APACHE-II | 0.94(0.90-0.98) | < 0.0001 | 14.73 | 0.065 | 47.67(27.88) | 1.44(1.15-1.79) | 0.002 |
| SAPS-3 | 0.86(0.80-0.92) | < 0.0001 | 7.36 | 0.393 | 43.61(27.56) | 1.58(1.25-1.95) | < 0.001 |
| SAPS-3CSA | 0.95(0.91-0.98) | < 0.0001 | 12.41 | 0.088 | 60.16(30.64) | 1.14(0.91-1.41) | 0.268 |

APACHE-II: Acute Physiology and Chronic Health Evaluation II; APACHE-IICCP: APACHE-II score for critically ill patients with a solid tumor; SAPS-3: Simplified Acute Physiology Score 3; SAPS-3CSA: The customized equation of SAPS-3 score for Central and South American countries; CI: Confidential Intervals; SD: Standard Deviation; SMR: Standardized Mortality Ratio.