Supplementary Table 2 Three approaches for model development and their performance in external validation group

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| --- | --- | --- | --- | --- |
| Approaches | Variables  | Discrimination | Calibration | Precision |
|  |  | C- statistics (95% CI) | H-L /P-value | Birer score |
| Model A: the statistics- driven model. | 7 | 0.897(0.822-0.971) | 2.065/0.979 | 0.0645 |
| Model B: clinical knowledge- driven model | 7 | 0.890(0.815-0.965) | 3.573/0.827 | 0.0640 |
| Model C: decision tree model. | 11 | 0.867(0.842-0.892) | NA | 0.0773 |