**Table S3.** Comparison of critical illness risk models

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|  | **AIC** | **BIC** | **AUC** |
| **Model A** | 152.88 | 162.88 | 0.847 |
| **Model B** | 163.31 | 175.99 | 0.803 |
| **Model C** | 158.85 | 168.36 | 0.827 |
| Model A: highest severity ~ as factor(male) + clinical severity at 1st day + respiratory support mode + TCM therapy - 1 | | | |
| Model B: highest severity ~ as factor(male) + clinical severity at 1st day + tracheotomy + TCM therapy - 1 | | | |
| Model C: highest severity ~ as factor(male) + clinical severity at 1st day + PaO2/FiO2 + TCM therapy - 1 | | | |
| AIC: Akaike information criterion | | | |
| BIC: Bayesian information criterion | | | |
| AUC: area under the curve | | | |
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