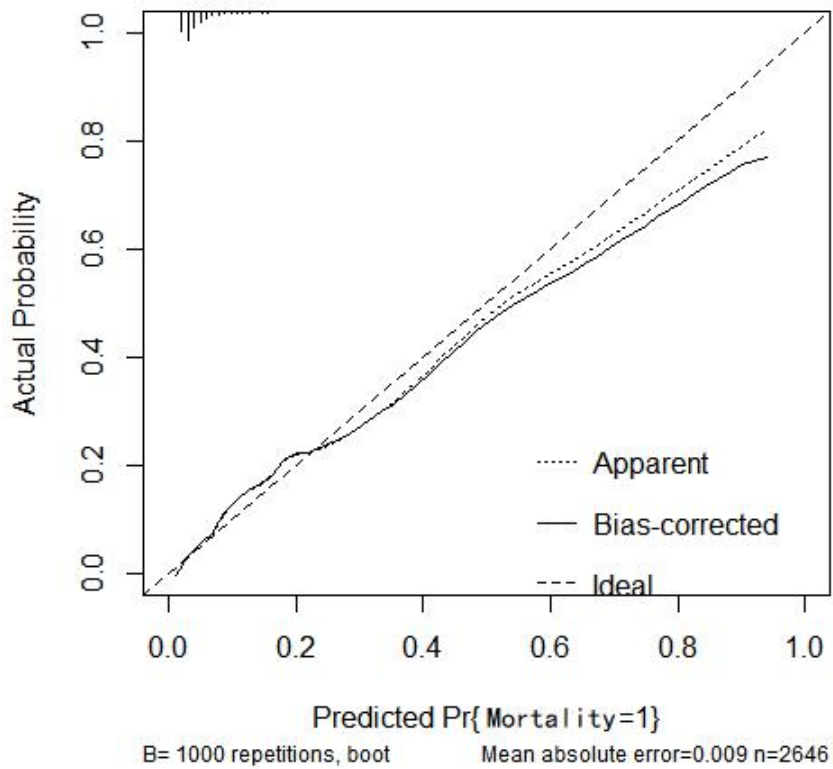
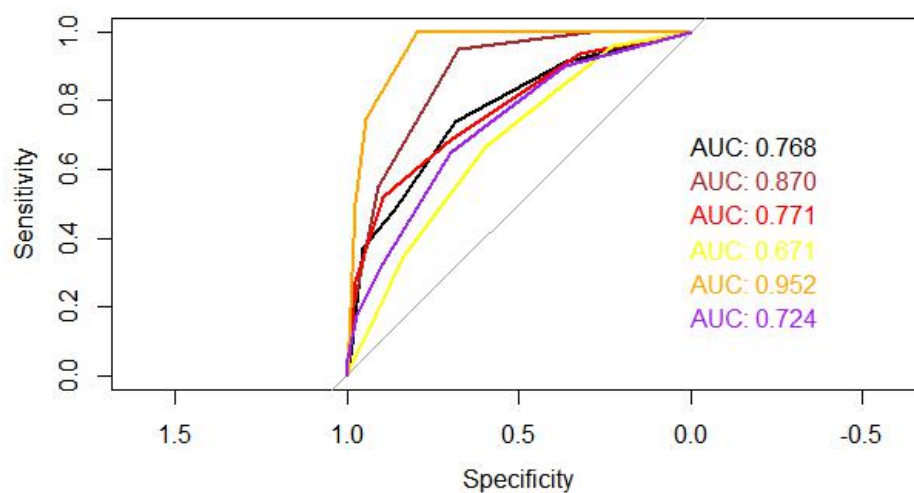


Supplemental Figure 1. Predictors' selection for in-hospital mortality using the LASSO-regression method. (a). A 10-fold cross-validation was used in the LASSO-regression; (b). LASSO coefficient profiles of 19 potential variables. A coefficient profile plot was produced against the log (lambda) sequence.

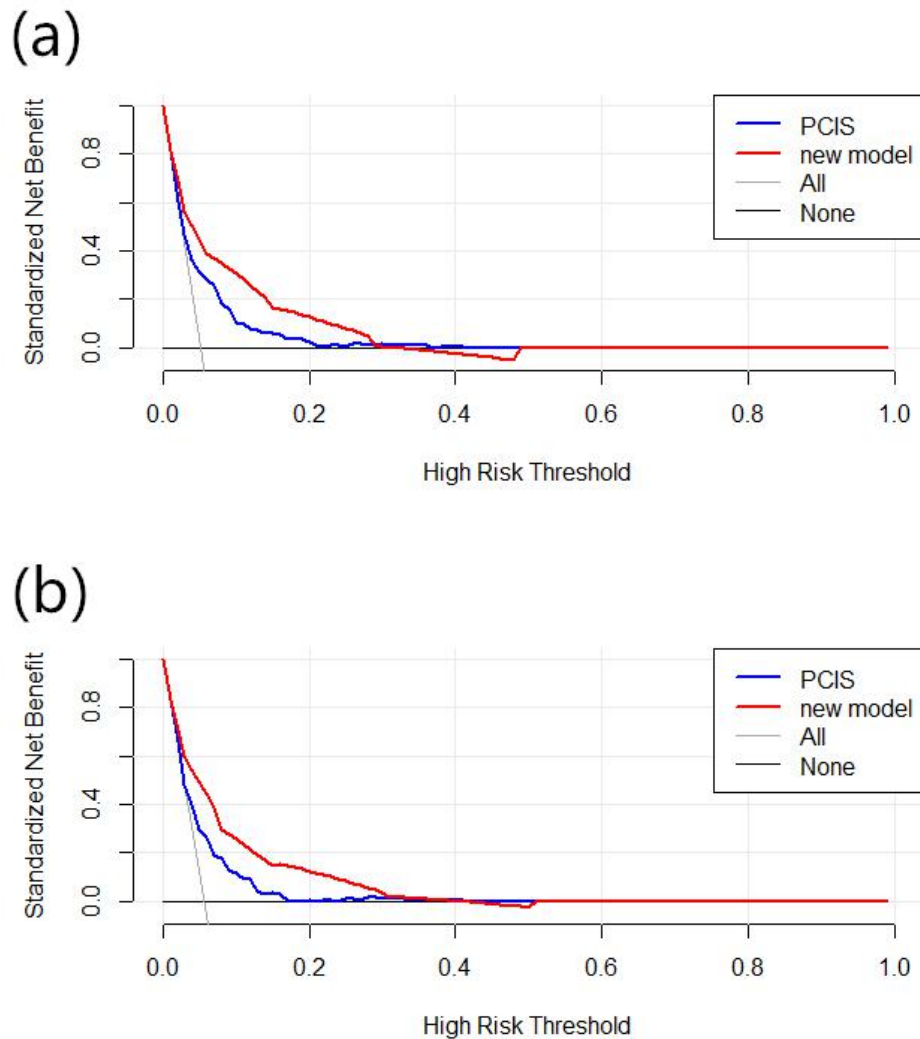


Supplemental Figure 2. Calibration curve for the predictive model in the validating set.



Supplemental Figure 3. Comparison of ROC of the new score in predicting in-hospital

mortality in different population with different diagnoses. (black, diseases of the circulatory system; brown, diseases of the digestive system; red, diseases of the nervous system; yellow, the respiratory system; orange, diseases of the genitourinary system; purple, neoplasms)



Supplemental Figure 4. Comparison of DCA of the new score and the Pediatric Critical Illness Score in predicting in-hospital mortality in (a).the training set and (b).the validating set.