

Supplementary Table 5. Correlation and AUC comparison between albumin and pre-existing mortality prediction models in pediatric intensive care unit

Variable	Correlation coefficient	P-value	AUC (95% CI)
Albumin	-	-	0.702 (0.633–0.772)
PIM 3	-0.219	<0.001	0.802 (0.747–0.858)
PRISM III	-0.375	<0.001	0.850 (0.801–0.899)

AUC: area under the receiver operating characteristic curve; CI: confidence interval; PIM: Pediatric Index of Mortality; PRISM: Pediatric Risk of Mortality.

Supplementary Table 6. AUC comparisons between pre-existing models and Alb-incorporated models

Variable	AUC (95% CI)	P-value
PIM 3	0.802 (0.747–0.858)	0.399
PIM 3 with albumin	0.820 (0.766–0.874)	
PRISM III	0.850 (0.801–0.899)	0.342
PRISM III with albumin	0.857 (0.810–0.904)	

AUC: area under the receiver operating characteristic curve; CI: confidence interval; PIM: Pediatric Index of Mortality; PRISM: Pediatric Risk of Mortality.

Supplementary Table 7. NRI and IDI for assessing improvement in mortality prediction after incorporating albumin to pre-existing mortality prediction models in pediatric intensive care unit

Variable	NRI (95% CI)	P-value	IDI (95% CI)	P-value
PIM 3 with albumin	0.210 (-0.410 to 0.888)	0.136	0.043 (-0.059 to 0.204)	0.158
PRISM III with albumin	0.245 (-0.510 to 0.818)	0.388	0.021 (-0.070 to 0.156)	0.416

NRI: net reclassification improvement; IDI: integrated discrimination improvement; CI: confidence interval; PIM: Pediatric Index of Mortality; PRISM: Pediatric Risk of Mortality.