

Table A2 – Comparison table of several classifiers trained on the MIMIC-III training set.

Models	Accuracy		ROC AUC		Sensitivity		Specificity	
	MIMIC	eICU-CRD	MIMIC	eICU-CRD	MIMIC	eICU-CRD	MIMIC	eICU-CRD
SVM	68.67	64.34	68.47	68.60	63.01	77.58	69.13	40.68
LR	73.96	66.63	73.80	71.24	69.75	80.97	74.49	42.89
RF	74.33	61.20	74.44	69.88	77.46	88.20	71.53	39.39
MLP	64.04	62.75	63.94	63.15	61.27	64.01	62.97	37.74
Ensemble model	74.7	50.21	81.41	76.34	85.36	92.77	64.82	35.02

* The ensemble model is the final voting classifier that combines LR and RF.