

Table A3 – Comparison table of several classifiers trained on the eICU-CRD training set.

Models	Accuracy		ROC AUC		Sensitivity		Specificity	
	MIMIC	eICU-CRD	MIMIC	eICU-CRD	MIMIC	eICU-CRD	MIMIC	eICU-CRD
SVM	52.36	73.96	50.81	53.5	10.02	10.32	52.53	52.63
LR	63.21	76.79	62.06	63.06	31.98	34.07	79.05	60.47
RF	64.50	77.84	63.37	64.43	33.53	36.14	82.08	63.97
MLP	65.52	75.05	64.95	66.24	49.90	47.64	69.81	52.86
Ensemble model	74.88	68.84	80.17	79.08	69.17	75.81	79.82	68.72

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