

Table A4 – Comparison table for several classifiers trained on both MIMIC-III and the eICU-CRD training set.

Models	Accuracy		ROC AUC		Sensitivity		Specificity	
	MIMIC	eICU-CRD	MIMIC	eICU-CRD	MIMIC	eICU-CRD	MIMIC	eICU-CRD
SVM	66.36	74.27	66.03	64.86	57.42	44.99	67.73	51.26
LR	68.86	76.41	68.22	64.88	51.45	40.56	76.07	57.29
RF	74.79	77.76	74.73	66.09	73.22	41.45	74.07	61.49
MLP	72.10	75.05	72.01	65.38	69.56	44.99	71.63	53.04
Ensemble model*	74.88	68.84	80.35	79.08	78.61	78.61	71.43	65.35

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