

- 2043/22904 (8.9%) experienced in-hospital mortality.
- Time-series variable (n = 87) lab tests and vital signs calculated at hourly time interval.

	Model	AUROC	AUPRC	Training time
al [SVM [9]	0.737 [0.725-0.747]	0.432 [0.415-0.452]	56s
	Random Forest [9]	0.723 [0.708-0.734]	0.443 [0.422-0.461]	74s
	XgBoost [7]	0.784 [0.775-0.791]	0.526 [0.497-0.556]	36s
Г	FCN [3]	0.812 [0.785-0.847]	0.495 [0.482-0.514]	112s
s L	GRU + MLP [6]	0.894 [0.865-0.918]	0.532 [0.517-0.558]	140s
dy	SOFA_only	0.715 [0.695-0.727]	0.378 [0.362-0.385]	78s
	No missing imputation	0.825 [0.805-0.847]	0.472 [0.452-0.481]	282s
	RNN + MLP (no concept)	0.902 [0.875-0.933]	0.524 [0.517-0.533]	128s
	Proposed	0.923 [0.915-0.947]	0.529 [0.505-0.551]	342s



- probability. • Correlation between relevance scores and probability drop.

As predicted probability of mortality rises, model is shown to pay more attention to *anticipated* respiratory, cardiovascular and hepatic failure

Clinical Concepts (SOFA organ-specific scores)

