

3 **Supplemental Table 2.** Classifier accuracy scores and performance information.

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Model	Classification (F1 Scores)			Regression (R ² Scores)		
	Patient Features	Genome Kmers	Both Features	Patient Features	Genome Kmers	Both Features
	Score	Score	Score	Score	Score	Score
Deceased ^a	0.53	0.45	0.55	-	-	-
Length of stay	-	-	-	-0.01	-0.16	-0.20
ICU ^b	0.60	0.44	0.54	-0.02	-0.08	-0.14
IMU ^b	0.505	0.41	0.42	-0.10	-0.10	-0.20
Ventilation ^a	0.55	0.46	0.55	-0.03	-0.11	-0.14
Oxygen ^a	0.53	0.49	0.50	-0.06	-0.05	-0.13
Wave ^c	0.54	0.57	0.57	-	-	-

5 ^ayes versus no

6 ^bclassification models are based on admitted to unit versus never admitted to unit

7 ^cwave 1 versus wave 2

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