		Complete case analyses	Analyses after multiple imputations
Outcome	Method	log mÔR [95%CI]	AUC log mÔR [95%CI] AU
Intubation at day 28	- Unadjusted	0.43 [-0.13;1.03]	0.38 [-0.20;0.96]
	- Elasticnet	0.48 [-0.07;1.06]	0.58
	- Lasso	0.49 [-0.09;1.07]	→ 0.58 0.44 [-0.21;1.09] → ■ 0.5
	- Neural network	0.44 [-0.16;1.08]	0.56 0.43 [-0.15;1.05]
	- Support vector machine	0.48 [0.02;0.99]	0.60 0.40 [-0.05;0.92]
	- Super learner	0.46 [-0.03;0.97]	0.60
		0.0 0.4 0.8	0.0 0.4 0.8
Death in ICU	- Unadjusted	0.61 [-0.20;1.50]	0.63 [-0.17;1.50]
	- Elasticnet	0.70 [-0.06;1.53]	0.72 0.73 [-0.03;1.55] 0.7
	- Lasso	0.71 [-0.04;1.54]	0.72 0.74 [-0.02;1.56] <b></b> 0.7
	- Neural network	0.30 [-0.38;1.18]	→ 0.63 0.33 [-0.38;1.21] <b>—</b> • 0.6
	- Support vector machine	0.33 [-0.18;0.88]	0.62 0.37 [-0.13;0.97]
	- Super learner	0.32 [-0.22;0.89]	0.62 0.36 [-0.17;0.98]
		0.0 0.5 1.0	1.5 0.0 0.5 1.0 1.5
Death at day 90	- Unadjusted	0.79 [-0.03;1.64]	0.80 [0.05;1.62]
	- Elasticnet	0.85 [0.06;1.68]	0.73 0.90 [0.19;1.68] 0.7
	- Lasso	0.90 [0.12;1.75]	→ 0.72 0.90 [0.18;1.71]
	- Neural network	0.42 [-0.31;1.41]	→ 0.67 0.51 [-0.18;1.35] <b>—</b> • 0.6
	- Support vector machine	0.60 [0.04;1.26]	0.65 0.63 [0.10;1.29]
	- Super learner	0.53 [-0.08;1.25]	0.65 0.58 [0.02;1.24]
		0.0 0.5 1.0	1.5 0.0 0.5 1.0 1.5

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