			Complete case analyses	Analyses after multiple imputations			
Outcome	Method	log	mÔR [95%CI]	AUC	log m	OR [95%CI]	AUC
Intubation at day 28	- Unadjusted	0.57 [0.01;1.12]	—	0.57	0.51 [-0.04;1.06]	<u> </u>	
	- Elasticnet	0.62 [0.06;1.15]		0.55	0.52 [-0.02;1.07]		0.55
	- Lasso	0.57 [-0.01;1.12]	-	0.57	0.52 [-0.03;1.07]	-	0.56
	- Neural network	0.79 [0.22;1.44]		0.56	0.67 [0.09;1.29]		0.55
	- Support vector machine	0.38 [-0.02;0.79]	, <u> </u>	0.54	0.37 [-0.04;0.90]	-	0.54
	- Super learner	0.57 [0.13;1.05]		0.54	0.51 [0.07;1.02]		0.54
			0.0 0.5 1.0	1.5	0.0	0.5 1.0	
Death in ICU	- Unadjusted	0.98 [0.28;1.77]			0.96 [0.23;1.79]		
	- Elasticnet	0.96 [0.30;1.76]		0.72	0.96 [0.24;1.77]		0.70
	- Lasso	0.98 [0.32;1.81]	-	0.70	0.96 [0.24;1.77]		0.69
	- Neural network	0.82 [0.19;1.71]		0.67	0.73 [-0.01;1.63]		0.64
	- Support vector machine	0.64 [0.15;1.32]		0.64	0.58 [0.10;1.18]	—	0.60
	- Super learner	0.72 [0.20;1.35]	-	0.64	0.65 [0.11;1.30]		0.60
		C	0.0 0.5 1.0 1.5		0.0	0.5 1.0 1.5	
Death at day 90	- Unadjusted	1.09 [0.36;1.84]			1.06 [0.35;1.85]	-	
	- Elasticnet	1.06 [0.35;1.79]	, <u> </u>	0.74	1.02 [0.34;1.80]	-	0.72
	- Lasso	1.05 [0.36;1.78]		0.74	1.02 [0.34;1.79]	-	0.72
	- Neural network	0.92 [0.28;1.68]		0.68	0.87 [0.18;1.70]	-	0.63
	- Support vector machine	0.73 [0.18;1.38]	<u> </u>	0.65	0.63 [0.13;1.22]	· · · · · · · · · · · · · · · · · · ·	0.62
	- Super learner	0.82 [0.27;1.39]	<u> </u>	0.65	0.74 [0.20;1.36]	-	0.62
		0	.0 0.5 1.0 1.5		0.0	0.5 1.0 1.5	