

Table 1 of base model: Mortality 72 hours.Stratified by ICU mortality

	Overall	No Alived	Yes Expired	p	test
n	200380	197730	2650		
age (mean (SD))	63.15 (17.07)	63.08 (17.09)	68.66 (15.15)	<0.001	
sex = female (%)	92152 (46.0)	90959 (46.0)	1193 (45.0)	0.323	
apachescoreIV (mean (SD))	53.83 (22.53)	53.25 (21.75)	97.28 (34.12)	<0.001	
apachedxgroup (%)				<0.001	
ACS	10566 (5.3)	10494 (5.3)	72 (2.7)		
ARF	2449 (1.2)	2422 (1.2)	27 (1.0)		
Asthma-Emphys	5346 (2.7)	5313 (2.7)	33 (1.2)		
CABG	5974 (3.0)	5960 (3.0)	14 (0.5)		
CardiacArrest	12405 (6.2)	11860 (6.0)	545 (20.6)		
ChestPainUnknown	1095 (0.5)	1091 (0.6)	4 (0.2)		
CHF	7744 (3.9)	7609 (3.8)	135 (5.1)		
Coma	2906 (1.5)	2872 (1.5)	34 (1.3)		
CVA	12245 (6.1)	12022 (6.1)	223 (8.4)		
CVOther	5019 (2.5)	4987 (2.5)	32 (1.2)		
DKA	5284 (2.6)	5277 (2.7)	7 (0.3)		
GIBleed	9415 (4.7)	9316 (4.7)	99 (3.7)		
GIObstruction	1572 (0.8)	1543 (0.8)	29 (1.1)		
Neuro	6010 (3.0)	5990 (3.0)	20 (0.8)		
Other	56016 (28.0)	55752 (28.2)	264 (10.0)		
Overdose	5165 (2.6)	5157 (2.6)	8 (0.3)		
PNA	6239 (3.1)	6121 (3.1)	118 (4.5)		
RespMedOther	11341 (5.7)	11138 (5.6)	203 (7.7)		
Sepsis	23124 (11.5)	22453 (11.4)	671 (25.3)		
Trauma	7104 (3.5)	7008 (3.5)	96 (3.6)		
ValveDz	3361 (1.7)	3345 (1.7)	16 (0.6)		
prev_dept_lo (mean (SD))	-2364.17 (7410.77)	-2356.70 (7400.62)	-2921.50 (8114.89)	<0.001	
prev_dept (%)				<0.001	
	49307 (24.6)	48624 (24.6)	683 (25.8)		
Acute Care/Floor	3682 (1.8)	3624 (1.8)	58 (2.2)		
Chest Pain Center	321 (0.2)	320 (0.2)	1 (0.0)		
Direct Admit	12347 (6.2)	12150 (6.1)	197 (7.4)		
Emergency Department	82249 (41.0)	81113 (41.0)	1136 (42.9)		
Floor	18103 (9.0)	17786 (9.0)	317 (12.0)		
ICU	54 (0.0)	53 (0.0)	1 (0.0)		
ICU to SDU	86 (0.0)	86 (0.0)	0 (0.0)		
Observation	26 (0.0)	25 (0.0)	1 (0.0)		
Operating Room	19353 (9.7)	19273 (9.7)	80 (3.0)		
Other	9 (0.0)	9 (0.0)	0 (0.0)		
Other Hospital	3824 (1.9)	3761 (1.9)	63 (2.4)		
Other ICU	430 (0.2)	415 (0.2)	15 (0.6)		
PACU	1561 (0.8)	1553 (0.8)	8 (0.3)		
Recovery Room	6615 (3.3)	6587 (3.3)	28 (1.1)		
Step-Down Unit (SDU)	2413 (1.2)	2351 (1.2)	62 (2.3)		
albumin_clear (mean (SD))	-0.13 (0.19)	-0.13 (0.19)	-0.09 (0.38)	<0.001	
bilirubin_clear (mean (SD))	0.05 (0.39)	0.05 (0.37)	0.21 (1.06)	<0.001	
BUN_clear (mean (SD))	-1.21 (9.23)	-1.23 (9.15)	0.57 (13.75)	<0.001	
calcium_clear (mean (SD))	-0.01 (0.49)	-0.01 (0.48)	-0.19 (0.90)	<0.001	
creatinine_clear (mean (SD))	-0.07 (0.64)	-0.08 (0.63)	0.12 (0.97)	<0.001	
glucose_clear (mean (SD))	-10.94 (71.78)	-10.79 (71.11)	-22.17 (110.38)	<0.001	

		No	Yes		
	Overall	Alived	Expired	p	test
bicarbonate_clear (mean (SD))	0.81 (3.00)	0.82 (2.96)	-0.54 (4.90)	<0.001	
TotalCO2_clear (mean (SD))	0.03 (1.40)	0.03 (1.34)	-0.09 (3.78)	<0.001	
hematocrit_clear (mean (SD))	-1.06 (3.20)	-1.05 (3.17)	-1.79 (4.95)	<0.001	
hemoglobin_clear (mean (SD))	-0.37 (1.09)	-0.36 (1.08)	-0.58 (1.67)	<0.001	
INR_clear (mean (SD))	0.04 (0.41)	0.04 (0.39)	0.10 (1.12)	<0.001	
lactate_clear (mean (SD))	-0.17 (0.95)	-0.18 (0.84)	0.78 (3.85)	<0.001	
platelets_clear (mean (SD))	-9.54 (33.30)	-9.29 (32.72)	-28.35 (59.91)	<0.001	
potassium_clear (mean (SD))	-0.06 (0.56)	-0.06 (0.55)	0.10 (0.97)	<0.001	
ptt_clear (mean (SD))	4.51 (10.39)	4.52 (10.18)	3.74 (20.78)	<0.001	
sodium_clear (mean (SD))	0.29 (3.28)	0.27 (3.23)	1.33 (5.71)	<0.001	
wbc_clear (mean (SD))	-0.60 (3.69)	-0.61 (3.63)	0.41 (6.93)	<0.001	
bands_clear (mean (SD))	1.61 (2.01)	1.62 (1.95)	1.39 (4.66)	<0.001	
alt_clear (mean (SD))	6.34 (178.09)	4.13 (149.06)	170.67 (844.58)	<0.001	
ast_clear (mean (SD))	6.24 (461.17)	1.29 (400.91)	375.14 (1988.10)	<0.001	
alp_clear (mean (SD))	-1.49 (16.60)	-1.51 (15.02)	0.25 (63.20)	<0.001	
heartrate_clear (mean (SD))	-4.05 (18.84)	-4.02 (18.61)	-5.99 (31.68)	<0.001	
respiratoryrate_clear (mean (SD))	-0.46 (6.64)	-0.42 (6.54)	-3.42 (11.58)	<0.001	
spo2_clear (mean (SD))	-0.95 (6.06)	-0.85 (5.58)	-8.45 (19.99)	<0.001	
nibp_systolic_clear (mean (SD))	0.19 (25.34)	0.29 (25.15)	-7.58 (35.76)	<0.001	
nibp_diastolic_clear (mean (SD))	-0.92 (17.18)	-0.84 (17.05)	-6.47 (24.36)	<0.001	
nibp_mean_clear (mean (SD))	-0.91 (18.19)	-0.83 (18.04)	-6.86 (26.35)	<0.001	
temperature_clear (mean (SD))	0.10 (0.78)	0.09 (0.76)	0.43 (1.55)	<0.001	
ibp_systolic_clear (mean (SD))	-0.48 (15.02)	-0.35 (14.60)	-9.85 (32.70)	<0.001	
ibp_diastolic_clear (mean (SD))	0.06 (8.29)	0.12 (8.13)	-4.16 (15.84)	<0.001	
ibp_mean_clear (mean (SD))	-0.11 (11.42)	-0.02 (11.19)	-6.62 (21.95)	<0.001	
norepinephrine = 1 (%)	14308 (7.1)	13346 (6.7)	962 (36.3)	<0.001	
epinephrine = 1 (%)	3606 (1.8)	3281 (1.7)	325 (12.3)	<0.001	
dopamine = 1 (%)	2674 (1.3)	2497 (1.3)	177 (6.7)	<0.001	
dobutamine = 1 (%)	1882 (0.9)	1762 (0.9)	120 (4.5)	<0.001	
phenylephrine = 1 (%)	5471 (2.7)	4988 (2.5)	483 (18.2)	<0.001	
vasopressin = 1 (%)	3735 (1.9)	3291 (1.7)	444 (16.8)	<0.001	
milrinone = 1 (%)	934 (0.5)	902 (0.5)	32 (1.2)	<0.001	
heparin = 1 (%)	35112 (17.5)	34491 (17.4)	621 (23.4)	<0.001	
warfarin = 1 (%)	8882 (4.4)	8847 (4.5)	35 (1.3)	<0.001	