

Table 1 of base model: Mortality 72 hours

	Overall	No Expired	Yes Alived	Unknown	p	test
n	200468	2652	145685	52131		
patientunitstayid (mean (SD))	1673607.05 (999487.56)	1802408.63 (987831.14)	1742164.14 (997150.73)	1475465.44 (979791.31)	<0.001	
age_numeric (mean (SD))	63.15 (17.08)	68.68 (15.15)	62.99 (17.06)	63.33 (17.18)	<0.001	
gender (%)					<0.001	
male	108228 ( 54.0)	1457 ( 54.9)	78864 ( 54.1)	27907 ( 53.5)		
female	92152 ( 46.0)	1193 ( 45.0)	66783 ( 45.8)	24176 ( 46.4)		
Unknown	88 ( 0.0)	2 ( 0.1)	38 ( 0.0)	48 ( 0.1)		
icu_mortality_72hrs (%)					<0.001	
Expired	2652 ( 1.3)	2652 (100.0)	0 ( 0.0)	0 ( 0.0)		
Alived	145685 ( 72.7)	0 ( 0.0)	145685 (100.0)	0 ( 0.0)		
Unknown	52131 ( 26.0)	0 ( 0.0)	0 ( 0.0)	52131 (100.0)		
max_apachescore (mean (SD))	54.82 (26.12)	97.27 (34.11)	54.05 (25.30)	NaN (NA)	<0.001	
icu_los_hours (mean (SD))	64.36 (103.99)	44.16 (13.87)	72.62 (104.01)	42.30 (103.16)	<0.001	
norepinephrine_mean (mean (SD))	0.01 (0.03)	0.03 (0.05)	0.01 (0.03)	0.00 (0.03)	<0.001	
norepinephrine_max = 1 (%)	12983 ( 6.5)	844 ( 31.8)	10626 ( 7.3)	1513 ( 2.9)	<0.001	
norepinephrine_min = 1 (%)	33 ( 0.0)	0 ( 0.0)	12 ( 0.0)	21 ( 0.0)	<0.001	
epinephrine_mean (mean (SD))	0.00 (0.02)	0.01 (0.02)	0.00 (0.01)	0.00 (0.02)	<0.001	
epinephrine_max = 1 (%)	3077 ( 1.5)	219 ( 8.3)	2342 ( 1.6)	516 ( 1.0)	<0.001	
epinephrine_min = 1 (%)	11 ( 0.0)	0 ( 0.0)	1 ( 0.0)	10 ( 0.0)	<0.001	
dopamine_mean (mean (SD))	0.00 (0.01)	0.00 (0.02)	0.00 (0.01)	0.00 (0.01)	<0.001	
dopamine_max = 1 (%)	2362 ( 1.2)	142 ( 5.4)	1916 ( 1.3)	304 ( 0.6)	<0.001	
dopamine_min = 1 (%)	12 ( 0.0)	0 ( 0.0)	8 ( 0.0)	4 ( 0.0)	0.792	
dobutamine_mean (mean (SD))	0.00 (0.01)	0.00 (0.02)	0.00 (0.01)	0.00 (0.01)	<0.001	
dobutamine_max = 1 (%)	1577 ( 0.8)	97 ( 3.7)	1309 ( 0.9)	171 ( 0.3)	<0.001	
dobutamine_min = 1 (%)	6 ( 0.0)	0 ( 0.0)	3 ( 0.0)	3 ( 0.0)	0.400	
phenylephrine_mean (mean (SD))	0.00 (0.02)	0.01 (0.03)	0.00 (0.02)	0.00 (0.02)	<0.001	
phenylephrine_max = 1 (%)	4662 ( 2.3)	355 ( 13.4)	3759 ( 2.6)	548 ( 1.1)	<0.001	
phenylephrine_min = 1 (%)	13 ( 0.0)	0 ( 0.0)	5 ( 0.0)	8 ( 0.0)	0.014	
vasopressin_mean (mean (SD))	0.00 (0.01)	0.01 (0.02)	0.00 (0.01)	0.00 (0.01)	<0.001	
vasopressin_max = 1 (%)	3253 ( 1.6)	341 ( 12.9)	2445 ( 1.7)	467 ( 0.9)	<0.001	

	Overall	No Expired	Yes Alived	Unknown	p	test
vasopressin_min = 1 (%)	3 ( 0.0)	0 ( 0.0)	1 ( 0.0)	2 ( 0.0)	0.274	
milrinone_mean (mean (SD))	0.00 (0.01)	0.00 (0.01)	0.00 (0.01)	0.00 (0.00)	<0.001	
milrinone_max = 1 (%)	775 ( 0.4)	22 ( 0.8)	652 ( 0.4)	101 ( 0.2)	<0.001	
milrinone_min = 0 (%)	200468 (100.0)	2652 (100.0)	145685 (100.0)	52131 (100.0)	NA	
heparin_mean (mean (SD))	0.02 (0.05)	0.02 (0.04)	0.02 (0.05)	0.01 (0.06)	<0.001	
heparin_max = 1 (%)	29666 ( 14.8)	569 ( 21.5)	24737 ( 17.0)	4360 ( 8.4)	<0.001	
heparin_min = 1 (%)	146 ( 0.1)	0 ( 0.0)	69 ( 0.0)	77 ( 0.1)	<0.001	
warfarin_mean (mean (SD))	0.00 (0.04)	0.00 (0.01)	0.00 (0.03)	0.01 (0.06)	<0.001	
warfarin_max = 1 (%)	5501 ( 2.7)	28 ( 1.1)	4043 ( 2.8)	1430 ( 2.7)	<0.001	
warfarin_min = 1 (%)	168 ( 0.1)	0 ( 0.0)	42 ( 0.0)	126 ( 0.2)	<0.001	
heartrate_mean (mean (SD))	76.84 (29.49)	90.36 (27.38)	79.67 (25.83)	68.23 (36.55)	<0.001	
heartrate_max (mean (SD))	91.87 (36.35)	112.36 (35.07)	96.15 (32.35)	78.87 (43.04)	<0.001	
heartrate_min (mean (SD))	65.29 (26.17)	72.32 (24.92)	67.15 (23.05)	59.72 (32.75)	<0.001	
respiratoryrate_mean (mean (SD))	16.87 (7.70)	20.80 (7.68)	17.73 (6.79)	14.28 (9.29)	<0.001	
respiratoryrate_max (mean (SD))	23.68 (11.93)	29.67 (11.71)	25.41 (11.02)	18.52 (12.82)	<0.001	
respiratoryrate_min (mean (SD))	11.72 (6.49)	12.94 (7.00)	12.00 (5.94)	10.86 (7.72)	<0.001	
spo2_mean (mean (SD))	78.60 (37.75)	80.61 (35.14)	81.80 (35.11)	69.54 (43.14)	<0.001	
spo2_max (mean (SD))	80.52 (38.62)	83.71 (36.29)	83.82 (35.92)	71.14 (44.08)	<0.001	
spo2_min (mean (SD))	74.35 (36.53)	70.86 (34.51)	77.20 (34.05)	66.55 (41.82)	<0.001	
nibp_systolic_mean (mean (SD))	106.82 (43.47)	100.46 (35.38)	110.55 (38.50)	96.72 (54.01)	<0.001	
nibp_systolic_max (mean (SD))	128.53 (53.30)	131.41 (48.70)	134.21 (47.97)	112.51 (63.46)	<0.001	
nibp_systolic_min (mean (SD))	87.23 (37.99)	73.48 (30.38)	89.30 (33.81)	82.15 (47.56)	<0.001	
nibp_diastolic_mean (mean (SD))	58.02 (24.26)	55.60 (20.45)	60.15 (21.67)	52.18 (29.70)	<0.001	
nibp_diastolic_max (mean (SD))	76.15 (33.77)	80.63 (33.16)	79.89 (31.06)	65.44 (38.46)	<0.001	
nibp_diastolic_min (mean (SD))	45.09 (21.19)	37.53 (18.09)	46.24 (19.18)	42.26 (25.82)	<0.001	
nibp_mean_mean (mean (SD))	68.17 (32.83)	67.37 (25.21)	71.32 (29.87)	59.42 (38.91)	<0.001	
nibp_mean_max (mean (SD))	85.14 (42.24)	92.47 (37.55)	90.00 (39.11)	71.19 (47.47)	<0.001	
nibp_mean_min (mean (SD))	54.94 (28.46)	48.01 (22.12)	56.85 (25.99)	49.94 (34.12)	<0.001	
temperature_mean (mean (SD))	33.66 (10.30)	35.25 (6.64)	35.57 (6.65)	28.24 (15.56)	<0.001	
temperature_max (mean (SD))	34.07 (10.43)	36.08 (6.79)	36.02 (6.75)	28.51 (15.72)	<0.001	

	Overall	No Expired	Yes Alived	Unknown	p	test
temperature_min (mean (SD))	33.24 (10.18)	34.35 (6.55)	35.10 (6.58)	27.97 (15.42)	<0.001	
aniongap_min (mean (SD))	7.17 (5.59)	9.40 (6.79)	7.50 (5.50)	6.15 (5.62)	<0.001	
aniongap_max (mean (SD))	9.35 (7.40)	13.76 (9.58)	9.99 (7.38)	7.32 (6.89)	<0.001	
albumin_min (mean (SD))	1.95 (1.57)	2.08 (1.18)	2.11 (1.54)	1.49 (1.57)	<0.001	
albumin_max (mean (SD))	2.10 (1.67)	2.39 (1.29)	2.28 (1.64)	1.58 (1.65)	<0.001	
bands_min (mean (SD))	0.91 (4.66)	2.87 (7.94)	1.01 (4.99)	0.51 (3.24)	<0.001	
bands_max (mean (SD))	1.20 (5.76)	4.13 (10.56)	1.33 (6.10)	0.66 (4.13)	<0.001	
bicarbonate_min (mean (SD))	20.22 (9.15)	17.49 (7.67)	20.86 (8.27)	18.57 (11.14)	<0.001	
bicarbonate_max (mean (SD))	22.61 (9.63)	22.46 (8.01)	23.60 (8.62)	19.87 (11.64)	<0.001	
hco3_min (mean (SD))	8.14 (11.48)	13.25 (10.15)	9.26 (11.81)	4.76 (9.76)	<0.001	
hco3_max (mean (SD))	9.08 (12.65)	16.77 (11.63)	10.32 (13.00)	5.21 (10.66)	<0.001	
bilirubin_min (mean (SD))	0.56 (1.59)	1.23 (2.87)	0.58 (1.53)	0.47 (1.65)	<0.001	
bilirubin_max (mean (SD))	0.67 (1.85)	1.65 (3.56)	0.71 (1.82)	0.53 (1.79)	<0.001	
creatinine_min (mean (SD))	1.26 (1.46)	1.76 (1.47)	1.31 (1.47)	1.10 (1.40)	<0.001	
creatinine_max (mean (SD))	1.54 (1.86)	2.39 (1.89)	1.63 (1.92)	1.26 (1.64)	<0.001	
chloride_min (mean (SD))	93.75 (27.79)	98.17 (16.40)	97.22 (21.03)	83.85 (39.84)	<0.001	
chloride_max (mean (SD))	97.29 (28.70)	104.50 (17.48)	101.27 (21.70)	85.81 (40.70)	<0.001	
glucose_min (mean (SD))	113.09 (59.65)	118.91 (63.87)	116.78 (55.33)	102.46 (69.03)	<0.001	
glucose_max (mean (SD))	163.87 (125.45)	212.88 (135.73)	174.80 (127.69)	130.81 (111.68)	<0.001	
hematocrit_min (mean (SD))	30.16 (11.14)	29.77 (9.01)	31.44 (9.49)	26.60 (14.30)	<0.001	
hematocrit_max (mean (SD))	33.75 (11.72)	35.50 (9.00)	35.58 (9.63)	28.56 (15.11)	<0.001	
hemoglobin_min (mean (SD))	9.91 (3.80)	9.66 (3.04)	10.33 (3.30)	8.76 (4.78)	<0.001	
hemoglobin_max (mean (SD))	11.11 (4.02)	11.57 (3.11)	11.71 (3.39)	9.42 (5.06)	<0.001	
lactate_min (mean (SD))	0.66 (1.51)	2.76 (3.43)	0.71 (1.47)	0.42 (1.34)	<0.001	
lactate_max (mean (SD))	1.02 (2.33)	4.87 (5.63)	1.10 (2.31)	0.60 (1.86)	<0.001	
platelet_min (mean (SD))	180.56 (108.19)	161.57 (111.00)	187.61 (101.64)	161.81 (122.50)	<0.001	
platelet_max (mean (SD))	211.57 (123.39)	217.14 (131.66)	223.28 (117.02)	178.56 (133.89)	<0.001	
potassium_min (mean (SD))	3.57 (1.12)	3.74 (0.92)	3.69 (0.91)	3.24 (1.54)	<0.001	

	Overall	No Expired	Yes Alived	Unknown	p	test
potassium_max (mean (SD))	4.11 (1.34)	4.77 (1.18)	4.29 (1.12)	3.54 (1.71)	<0.001	
ptt_min (mean (SD))	13.63 (17.91)	22.42 (21.44)	15.04 (17.89)	9.25 (16.92)	<0.001	
ptt_max (mean (SD))	16.30 (23.89)	29.56 (31.49)	18.00 (24.16)	10.88 (21.59)	<0.001	
inr_min (mean (SD))	0.75 (0.83)	1.27 (1.08)	0.81 (0.81)	0.57 (0.84)	<0.001	
inr_max (mean (SD))	0.88 (1.18)	1.79 (1.98)	0.95 (1.18)	0.63 (1.05)	<0.001	
pt_min (mean (SD))	8.49 (9.02)	13.68 (10.60)	9.11 (8.84)	6.50 (9.08)	<0.001	
pt_max (mean (SD))	9.60 (11.73)	18.15 (17.79)	10.35 (11.78)	7.08 (10.66)	<0.001	
sodium_min (mean (SD))	126.75 (35.60)	133.91 (17.05)	131.62 (25.49)	112.75 (52.72)	<0.001	
sodium_max (mean (SD))	129.56 (36.32)	139.32 (17.92)	134.82 (26.00)	114.35 (53.43)	<0.001	
bun_min (mean (SD))	21.34 (19.18)	31.63 (23.24)	21.96 (19.00)	19.10 (19.14)	<0.001	
bun_max (mean (SD))	26.18 (23.18)	41.24 (27.52)	27.46 (23.30)	21.84 (21.81)	<0.001	
wbc_min (mean (SD))	9.44 (7.73)	12.54 (12.20)	9.81 (7.54)	8.26 (7.83)	<0.001	
wbc_max (mean (SD))	12.24 (10.40)	18.70 (16.32)	13.01 (10.35)	9.78 (9.66)	<0.001	