

Supplementary Table 8. The characteristics and levels change over time for predictors for RDW

Variable	Group 1					Group 2					Group 3					Group 4					
	A	B	C	D	P-value	A	B	C	D	P-value	A	B	C	D	P-value	A	B	C	D	P-value	
No. of patients	301 (31.0)	341 (35.1)	241 (24.8)	88 (9.1)		151 (21.5)	281 (40.0)	233 (33.2)	37 (5.3)		135 (26.0)	219 (42.2)	148 (28.5)	17 (3.3)		70 (19.3)	156 (43.0)	115 (31.7)	22 (6.1)		
Demographics																					
Mortality	13 (4.3)	65 (19.1)	114 (47.3)	45 (51.1)	<0.001	4 (2.6)	51 (18.1)	100 (42.9)	16 (43.2)	<0.001	4 (3.0)	42 (19.2)	48 (32.4)	7 (41.2)	<0.001	1 (1.4)	17 (10.9)	25 (21.7)	9 (40.9)	<0.001	
Age (yr)	49 (40-59)	52 (42-61)	52 (43-61)	60 (46-66)	<0.001	49 (41-58)	53 (43-62)	52 (43-62)	57 (42-64)	0.044	51 (43-59)	52 (42-61)	55 (44-66)	59 (46-63)	0.194	52 (44-62)	53 (44-61)	52 (42-67)	61 (47-66)	0.361	
Sex					<0.001																
Male	255 (84.7)	257 (75.4)	209 (86.7)	61 (69.3)		131 (86.8)	200 (71.2)	193 (82.8)	28 (75.7)		117 (86.7)	166 (75.8)	117 (79.1)	13 (76.5)	0.085	59 (84.3)	117 (75.0)	91 (79.1)	17 (77.3)		
Female	46 (15.3)	84 (24.6)	32 (13.3)	27 (30.7)	<0.001	20 (13.2)	81 (28.8)	40 (17.2)	9 (24.3)	<0.001	18 (13.3)	53 (24.2)	31 (20.9)	4 (23.5)	<0.001	11 (15.7)	39 (25.0)	24 (20.9)	5 (22.7)	<0.001	
TBSA	26 (15-38)	33 (22-45)	34 (33-70)	32 (19-60)	<0.001	25 (15-40)	38 (28-50)	48 (28-65)	38 (20-65)	<0.001	31 (20-43)	40 (30-56)	40 (27-60)	32 (20-56)	<0.001	30 (18-44)	40 (28-56)	40 (26-60)	30 (17-45)	<0.001	
Inhalation	102 (33.9)	144 (42.2)	124 (51.5)	37 (42.0)	<0.001	58 (38.4)	101 (35.9)	116 (49.8)	14 (37.8)	0.012	57 (42.2)	88 (40.2)	76 (51.4)	5 (29.4)	0.104	23 (32.9)	68 (43.6)	57 (49.6)	10 (45.5)	0.173	
LOICU	15 (9-26)	24 (13-37)	25 (15-42)	18 (12-35)	<0.001	24 (18-33)	28 (20-41)	32 (21-45)	30 (17-45)	<0.001	28 (24-38)	34 (26-48)	38 (28-52)	34 (26-44)	<0.001	35 (31-44)	42 (33-62)	42 (34-58)	37 (33-44)	0.002	
RDW value																					
Mortality	13 (4.3)	65 (19.1)	114 (47.3)	45 (51.1)	<0.001	4 (2.6)	51 (18.1)	100 (42.9)	16 (43.2)	<0.001	4 (3.0)	42 (19.2)	48 (32.4)	7 (41.2)	<0.001	1 (1.4)	17 (10.9)	25 (21.7)	9 (40.9)	<0.001	
Day 1	12.30 (12.10-12.70)	13.30 (12.90-13.70)	13.20 (12.70-13.70)	16.10 (15.40-17.70)	<0.001	12.80 (12.36-13.19)	13.80 (13.50-14.20)	15.10 (14.80-15.60)	17.60 (16.70-18.60)	<0.001	13.00 (12.64-13.34)	14.10 (13.80-14.40)	15.10 (14.70-15.51)	17.42 (17.10-19.40)	<0.001	13.10 (12.74-13.38)	14.00 (13.70-14.30)	14.90 (14.60-15.20)	16.10 (15.80-17.10)	<0.001	
Day 2	12.50 (12.20-12.80)	13.40 (13.10-13.90)	13.40 (12.90-14.00)	15.85 (15.17-17.42)	<0.001	12.80 (12.40-13.20)	14.00 (13.67-14.30)	15.20 (14.80-15.60)	17.60 (17.00-18.70)	<0.001	13.10 (12.67-13.40)	14.10 (13.80-14.40)	15.00 (14.70-15.50)	17.30 (17.00-19.30)	<0.001	13.10 (12.80-13.30)	14.00 (13.79-14.30)	14.88 (14.60-15.20)	16.20 (15.90-17.10)	<0.001	
Day 3	12.50 (12.20-12.80)	13.50 (13.20-13.90)	13.70 (13.10-14.40)	15.80 (14.88-17.40)	<0.001	12.80 (12.50-13.20)	13.90 (13.60-14.30)	15.20 (14.80-15.60)	17.20 (16.60-18.20)	<0.001	13.10 (12.70-13.35)	14.10 (13.82-14.40)	15.10 (14.70-15.60)	17.40 (16.90-19.00)	<0.001	13.10 (12.81-13.30)	14.00 (13.70-14.30)	14.90 (14.60-15.30)	16.50 (15.92-17.45)	<0.001	
Day 4	12.50 (12.10-12.80)	13.50 (13.20-13.90)	14.10 (13.60-14.70)	15.45 (14.80-17.20)	<0.001	12.80 (12.52-13.10)	14.00 (13.60-14.30)	15.20 (14.70-15.70)	17.00 (16.60-17.60)	<0.001	13.20 (12.71-13.40)	14.10 (13.89-14.40)	15.10 (14.79-15.60)	17.20 (16.60-18.80)	<0.001	13.19 (12.90-13.30)	14.00 (13.73-14.20)	14.90 (14.70-15.30)	16.30 (15.93-17.00)	<0.001	
Day 5	12.60 (12.20-12.90)	13.60 (13.30-14.00)	14.60 (14.10-15.10)	15.60 (14.80-16.95)	<0.001	12.80 (12.52-13.04)	14.00 (13.60-14.30)	15.10 (14.70-15.60)	16.80 (16.10-17.50)	<0.001	13.10 (12.75-13.40)	14.10 (13.80-14.40)	15.00 (14.70-15.58)	16.82 (16.50-18.70)	<0.001	13.20 (12.80-13.32)	14.00 (13.70-14.21)	15.00 (14.70-15.30)	16.40 (15.93-16.98)	<0.001	
Day 6	12.70 (12.30-13.00)	13.70 (13.40-14.10)	14.90 (14.60-15.40)	15.80 (14.80-17.50)	<0.001	12.80 (12.50-13.10)	13.90 (13.66-14.30)	15.10 (14.60-15.50)	16.90 (16.00-17.40)	<0.001	13.14 (12.78-13.36)	14.10 (13.80-14.40)	15.00 (14.70-15.43)	17.20 (16.60-18.20)	<0.001	13.10 (12.80-13.34)	14.08 (13.74-14.30)	15.00 (14.60-15.30)	16.50 (15.93-16.88)	<0.001	
Day 7	12.73 (12.30-13.10)	13.80 (13.50-14.20)	15.10 (14.80-15.70)	15.85 (15.20-17.52)	<0.001	12.80 (12.41-13.10)	13.90 (13.60-14.20)	15.10 (14.60-15.50)	16.91 (16.00-17.90)	<0.001	13.20 (12.85-13.40)	14.10 (13.80-14.40)	15.00 (14.70-15.44)	17.30 (16.60-18.40)	<0.001	13.10 (12.80-13.30)	14.00 (13.77-14.30)	15.00 (14.60-15.30)	16.50 (15.95-16.88)	<0.001	
Mean of overall median RDW value	12.50 (12.20-12.90)	13.50 (13.20-14.00)	14.20 (13.40-15.00)	15.80 (15.10-17.47)	<0.001	12.80 (12.49-13.10)	13.90 (13.60-14.30)	15.10 (14.70-15.60)	17.10 (16.50-18.10)	<0.001	13.10 (12.70-13.40)	14.10 (13.80-14.40)	15.00 (14.70-15.50)	17.30 (16.60-18.75)	<0.001	13.10 (12.80-13.30)	14.00 (13.70-14.30)	14.90 (14.60-15.30)	16.35 (15.90-17.00)	<0.001	

Values are presented as number (%) or median (interquartile range). RDW, red cell distribution width; TBSA, total body surface area burned %; LOICU, length of stay in intensive care unit.