

Table 2. Baseline patient characteristics in patients with acute respiratory distress syndrome.

	level	Overall	Q1	Q2	Q3	Q4	p
n		1,233	366	334	270	263	
Gender (%)	Female,n(%)	392 (31.792)	161 (43.989)	76 (22.754)	60 (22.222)	95 (36.122)	<0.001
	Male, n (%)	841 (68.208)	205 (56.011)	258 (77.246)	210 (77.778)	168 (63.878)	
Los_hospital (mean (SD))		10.158 (9.935)	9.105 (8.600)	9.091 (6.442)	11.449 (13.071)	11.652 (11.224)	<0.001
Los_icu (mean (SD))		4.007 (4.635)	3.048 (3.749)	3.365 (3.975)	4.290 (5.054)	5.866 (5.455)	<0.001
Age (mean (SD))		63.053 (13.089)	61.707 (13.231)	64.726 (12.182)	64.969 (12.712)	60.833 (13.868)	<0.001
Po2 (mean (SD))		244.049 (151.619)	282.270 (143.707)	304.263 (138.429)	242.085 (149.784)	116.407 (94.424)	<0.001
Pco2 (mean (SD))		41.899 (9.868)	43.104 (8.320)	41.916 (8.744)	42.463 (10.322)	39.624 (12.136)	<0.001
Totalco2 (mean (SD))		24.926 (4.633)	26.314 (3.548)	25.766 (3.004)	25.519 (4.236)	21.319 (6.042)	<0.001
lactate (mean (SD))		1.870 (1.835)	1.475 (0.824)	1.492 (0.859)	1.719 (1.270)	3.054 (3.236)	<0.001
Inr (mean (SD))		1.470 (0.659)	1.329 (0.417)	1.332 (0.464)	1.411 (0.512)	1.903 (1.007)	<0.001
Pt (mean (SD))		16.207 (7.975)	14.578 (4.516)	14.609 (4.954)	15.517 (5.428)	21.213 (13.289)	<0.001
Ptt (mean (SD))		50.722 (37.566)	49.034 (37.737)	49.154 (37.650)	50.910 (37.630)	54.870 (37.042)	0.209
GCS (mean (SD))		14.190 (2.762)	14.298 (2.621)	14.225 (2.829)	14.156 (2.839)	14.030 (2.797)	0.676
Hr (mean (SD))		15.654 (53.187)	10.940 (55.440)	10.063 (37.515)	13.359 (42.770)	31.669 (70.850)	<0.001
Sapsii (mean (SD))		39.309 (15.651)	32.462 (11.581)	35.940 (13.271)	38.900 (12.401)	53.536 (17.319)	<0.001
Oasis (mean (SD))		33.398 (9.069)	29.831 (7.783)	31.629 (7.762)	33.585 (8.203)	40.418 (9.241)	<0.001
Temp (mean (SD))		36.450 (1.259)	36.373 (1.054)	36.451 (1.211)	36.561 (1.265)	36.442 (1.543)	0.326
Mechvent (%)	0	326 (26.440)	111 (30.328)	85 (25.449)	71 (26.296)	59 (22.433)	0.162
	1	907 (73.560)	255 (69.672)	249 (74.551)	199 (73.704)	204 (77.567)	
Sirs (mean (SD))		2.846 (0.877)	2.784 (0.837)	2.701 (0.907)	2.863 (0.883)	3.099 (0.832)	<0.001
Albumin (mean (SD))		3.576 (0.779)	3.929 (0.594)	3.874 (0.569)	3.495 (0.718)	2.787 (0.711)	<0.001
Aniongap (mean (SD))		13.717 (4.274)	12.754 (2.823)	12.883 (2.894)	12.944 (3.555)	16.909 (6.175)	<0.001
Bicarbonate (mean (SD))		23.957 (4.515)	25.156 (3.339)	25.087 (3.143)	24.681 (4.217)	20.110 (5.521)	<0.001
Bun (mean (SD))		23.485 (19.816)	14.167 (5.269)	16.862 (6.180)	21.648 (10.422)	46.749 (30.393)	<0.001
Chloride (mean (SD))		103.190 (5.631)	102.770 (4.011)	103.266 (3.980)	103.756 (5.738)	103.095 (8.496)	0.18
Creatinine (mean (SD))		1.240 (0.999)	0.695 (0.156)	0.924 (0.145)	1.110 (0.238)	2.533 (1.528)	<0.001
Glucose (mean (SD))		130.810 (53.216)	121.604 (43.828)	126.428 (48.863)	142.033 (60.316)	137.665 (59.587)	<0.001
Sodium (mean (SD))		138.906 (4.502)	138.943 (3.314)	139.171 (3.231)	139.400 (4.555)	138.011 (6.655)	0.002
Potassium (mean (SD))		4.147 (0.617)	4.018 (0.458)	4.084 (0.468)	4.158 (0.614)	4.394 (0.861)	<0.001

Myocardial_infarct (%)	0	963 (78.102)	290 (79.235)	244 (73.054)	204 (75.556)	225 (85.551)	0.002
	1	270 (21.898)	76 (20.765)	90 (26.946)	66 (24.444)	38 (14.449)	
Peripheral_vascular_disease (%)	0	1109 (89.943)	330 (90.164)	298 (89.222)	238 (88.148)	243 (92.395)	0.396
	1	124 (10.057)	36 (9.836)	36 (10.778)	32 (11.852)	20 (7.605)	
Cerebrovascular_disease (%)	0	1114 (90.349)	336 (91.803)	303 (90.719)	235 (87.037)	240 (91.255)	0.225
	1	119 (9.651)	30 (8.197)	31 (9.281)	35 (12.963)	23 (8.745)	
Dementia (%)	0	1222 (99.108)	364 (99.454)	330 (98.802)	268 (99.259)	260 (98.859)	0.789
	1	11 (0.892)	2 (0.546)	4 (1.198)	2 (0.741)	3 (1.141)	
Chronic_pulmonary_disease (%)	0	1005 (81.509)	291 (79.508)	278 (83.234)	219 (81.111)	217 (82.510)	0.612
	1	228 (18.491)	75 (20.492)	56 (16.766)	51 (18.889)	46 (17.490)	
Diabetes_without_cc (%)	0	950 (77.048)	283 (77.322)	261 (78.144)	203 (75.185)	203 (77.186)	0.855
	1	283 (22.952)	83 (22.678)	73 (21.856)	67 (24.815)	60 (22.814)	
Diabetes_with_cc (%)	0	1164 (94.404)	353 (96.448)	317 (94.910)	254 (94.074)	240 (91.255)	0.049
	1	69 (5.596)	13 (3.552)	17 (5.090)	16 (5.926)	23 (8.745)	
Aids (mean (SD))		0.002 (0.049)	0.003 (0.052)	0.003 (0.055)	0.004 (0.061)	0.000 (0.000)	0.831
Charlson_comorbidity_index (mean (SD))		3.980 (2.408)	3.148 (1.775)	3.578 (1.972)	4.352 (2.435)	5.266 (2.978)	<0.001
MCH (mean (SD))		30.416 (2.102)	30.220 (1.960)	30.388 (1.862)	30.370 (1.896)	30.773 (2.673)	0.012
Mchc (mean (SD))		33.130 (1.303)	33.148 (1.117)	33.373 (1.214)	33.053 (1.255)	32.875 (1.617)	<0.001
MCV (mean (SD))		92.211 (5.905)	91.579 (5.273)	91.497 (4.932)	92.274 (5.675)	93.932 (7.555)	<0.001
Platelet (mean (SD))		177.457 (106.988)	187.500 (107.044)	177.186 (85.285)	185.915 (117.193)	155.141 (117.476)	0.001
RBC (mean (SD))		3.350 (0.699)	3.458 (0.680)	3.477 (0.720)	3.330 (0.635)	3.057 (0.675)	<0.001
RDW (mean (SD))		14.731 (2.590)	13.924 (1.760)	13.939 (1.897)	14.578 (2.209)	17.018 (3.267)	<0.001
WBC (mean (SD))		12.066 (14.393)	10.635 (4.864)	10.149 (4.290)	11.801 (5.663)	16.765 (29.243)	<0.001
Sepsis (%)	NO	472 (38.281)	180 (49.180)	161 (48.204)	100 (37.037)	31 (11.787)	<0.001
	Yes	761 (61.719)	186 (50.820)	173 (51.796)	170 (62.963)	232 (88.213)	
AKI (%)	NO	989 (80.211)	350 (95.628)	299 (89.521)	211 (78.148)	129 (49.049)	<0.001
	Yes	244 (19.789)	16 (4.372)	35 (10.479)	59 (21.852)	134 (50.951)	
Outcome (%)	NO	907 (73.560)	326 (89.071)	296 (88.623)	204 (75.556)	81 (30.798)	<0.001
	Yes	326 (26.440)	40 (10.929)	38 (11.377)	66 (24.444)	182 (69.202)	
CAR (mean (SD))		0.388 (0.405)	0.176 (0.028)	0.239 (0.016)	0.320 (0.044)	0.942 (0.603)	<0.001
28d_mortality (%)	NO	929 (75.345)	330 (90.164)	299 (89.521)	209 (77.407)	91 (34.601)	<0.001
	Yes	304 (24.655)	36 (9.836)	35 (10.479)	61 (22.593)	172 (65.399)	

LOS_hospital,length of hospital stay;LOS_icu,length of ICU stay;Total co2>Total carbon dioxide emissions;Inr International Normalized Ratio;PT,Prothrombin Time;PTT,Partial Thromboplastin Time;GCS,Glasgow Coma Scale;HR,Heart Rate;SAPS II,Simplified Acute Physiology Score II;OASIS,Organ Dysfunction Assessment System;Temp,emperature;MechVent,Mechanical Ventilation;SIRS,Systemic Inflammatory Response Syndrome;AIDS,Acquired Immunodeficiency Syndrome;MCH,Mean

Corpuscular Hemoglobin;MCHC, Mean Corpuscular Hemoglobin Concentration;MCV, Mean Corpuscular Volume;RBC, Red Blood Cell Count;RDW, Red Blood Cell Distribution

Width;WBC, White Blood Cell Count;AKI, Acute Kidney Injury;CAR, Creatinine-Albumin Ratio;