

Web Table 1. Univariate risk factors for 30-days mortality

Patient characteristics	Survived	Died within 30 days	Odds ratio for 30-day mortality	P value*
	Number (%)	Number (%)	(95% Confidence Interval)	
Age, years				‡
< 41	14475 (33.3)	71 (13.4)	1.00 (baseline)	<0.001§
41 to 64	15017 (34.6)	142 (26.8)	1.9 (1.4-2.5)	
> 64	13871 (31.9)	316 (59.7)	4.6 (3.5-6.0)	‡
Gender				
Female	17032 (39.2)	102 (19.2)	1.0 (baseline)	<0.001
Male	26331 (60.7)	427 (80.7)	2.7 (2.1-3.3)	
Comorbidities				
Anaemia nutritional-haemolytic-aplastic-other	2244 (5.1)	67 (12.6)	3.0 (2.4-3.8)	<0.001
Diabetes mellitus	4220 (9.7)	86 (6.2)	1.8 (1.4-2.2)	<0.001
Disorder of thyroid and other endocrine glands	1202 (2.7)	13 (2.4)	0.8 (0.5-1.5)	0.79
Malnutrition	1230 (2.8)	60 (11.3)	4.3 (3.2-5.7)	<0.001
Obesity	3793 (8.7)	31 (5.8)	0.6 (0.4-0.9)	0.028

Hypertensive diseases	10642 (24.5)	199 (37.6)	1.8 (1.5-2.2)	<0.001
Ischaemic heart diseases	5386 (12.4)	128 (24.2)	2.2 (1.8-2.7)	<0.001
Other heart diseases (including valve disorders, heart failure)	7036 (16.2)	216 (40.8)	3.5 (2.9-4.9)	<0.001
Cerebrovascular diseases	2219 (5.1)	88 (16.6)	3.6 (2.8-4.6)	<0.001
Chronic lower respiratory diseases	6574 (15.1)	126 (23.8)	1.7 (1.4-2.1)	<0.001
Other diseases of the respiratory system (including pulmonary oedema)	2628 (6.1)	76 (14.3)	2.6 (2.0-3.3)	<0.001
Liver diseases including hepatitis and cirrhosis	1262 (2.9)	44 (8.3)	3.0 (2.1-4.0)	<0.001
Diseases of the musculoskeletal system-connective tissue	7459 (17.2)	83 (15.6)	0.8 (0.6-1.1)	0.32
Renal failure	1585 (3.6)	78 (14.7)	4.5 (3.5-5.8)	<0.001
Shock including hypovolemic and septic shock	1158 (2.6)	76 (14.3)	6.1 (4.6-7.8)	<0.001

ASA score

ASA 1	11077 (25.5)	10 (1.9)	1.0 (baseline)	‡
ASA 2	16488 (38.0)	45 (8.5)	3.1 (1.5-6.0)	
ASA 3	13031 (30.0)	182 (34.4)	15.4 (8.1-29.2)	<0.001 §
ASA 4	2709 (6.2)	239 (45.1)	97.2 (51.6-184.3)	
ASA 5	58 (0.1)	53 (10.0)	1012.8 (491.0-2086.3)	‡

Surgical procedures

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Miscellaneous procedures	1905	(4.4)	3	(0.6)	1.0	(baseline)
Procedure on nervous system	2865	(6.6)	154	(29.1)	34.1	(10.8-107.5)
Procedure on respiratory system	1074	(2.5)	29	(5.5)	17.1	(5.2-56.4)
Procedure on cardio-vascular system	3450	(8.0)	83	(15.6)	15.6	(4.8-48.4)
Procedure on digestive system	12665	(29.2)	158	(29.8)	7.9	(2.5-24.8)
Procedure on blood and blood forming organs	659	(1.5)	7	(1.3)	5.8	(1.1-29.1)
Procedures on musculoskeletal system	9722	(22.4)	71	(13.4)	4.6	(1.4-14.7)
Procedure on endocrine system	325	(0.7)	3	(0.57)	1.5	(0.3-7.7)
Procedure on urinary system and male genital organs	3103	(7.1)	11	(2.1)	2.2	(0.6-8.0)
Procedures on ear, nose, mouth, pharynx	1219	(2.8)	3	(0.57)	1.5	(0.3-7.7)
Dermatologic and plastic procedures	3139	(7.2)	5	(0.9)	1.0	(0.2-4.2)
Procedures on female genital organs and breast	2141	(4.9)	2	(0.4)	0.5	(0.0-3.5)
Procedures on eye and adnexa	977	(2.2)	0		0	
Procedures on mastoid process and dental services	135	(0.3)	0		0	

<0.001 §

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Timing and planning of procedures

In-hours	37649 (87.0)	340 (64.6)	0.2 (0.2-0.3)	<0.001
Late-hours	1516 (3.5)	60 (11.4)	3.5 (2.6-4.6)	<0.001
After-hour	4112 (9.5)	126 (23.9)	3.0 (2.4-3.6)	<0.001
Emergency	2701 (6.2)	172 (32.5)	7.2 (5.9-8.7)	<0.001

*P value for χ^2 and Fisher exact test for values in table<5

§ P value for χ^2 test for linear trend