

**Supplemental Table 1.** Univariate Analysis of 28-day Perioperative Mortality

Patient alive at post-operative day 28?			
	Yes	No	P-value
<b>Number of cases (N)</b>	2855	77	
<b>Age</b>	28.00 [20.00, 40.00]	36.50 [23.00, 58.00]	0.002
<b>Gender</b>			0.148
	Female	1342 (48.2)	28 (38.9)
	Male	1440 (51.8)	44 (61.1)
<b>Urgency</b>			0.001
	Elective	1265 (44.8)	18 (24.0)
	Emergency	1558 (55.2)	57 (76.0)
<b>Trauma</b>	673 (23.8)	24 (31.6)	0.151
<b>ASA status</b>			<0.001
	ASA1	1383 (48.7)	17 (22.4)
	ASA2	1292 (45.5)	26 (34.2)
	ASA3+	164 (5.8)	33 (43.4)
<b>Time of surgery</b>			0.161
	Daytime	1927 (68.4)	46 (59.7)
	Nighttime	809 (28.7)	27 (35.1)
	Weekend	83 (2.9)	4 (5.2)
<b>Procedure group</b>			<0.001
	C-section	457 (16.1)	1 (1.3)
	General surgery	649 (22.8)	37 (48.7)
	Orthopedic	719 (25.3)	5 (6.6)
	Other <sup>a</sup>	1019 (35.8)	33 (43.4)
<b>Surgery length (mins)</b>	64.00 [45.00, 120.00]	127.50 [73.75, 200.00]	<0.001
<b>Anesthesia type</b>			<0.001
	General	1410 (49.7)	69 (90.8)
	Regional	1304 (46.0)	6 (7.9)
	Other	123 (4.3)	1 (1.3)
<b>Safe surgery checklist used?</b>			0.524
	Yes	2739 (96.3)	75 (98.7)
	No	104 (3.7)	1 (1.3)

Data are presented as absolute counts (%) for categorical and median [IQR] for continuous variables age and surgery length. P-value was calculated using Pearson's chi-square test, Fisher's Exact test when expected frequency is less than 5, and Wilcoxon test for continuous variables age and surgery length.

Abbreviations: mins, minutes; ASA, American Society of Anesthesiologists; DM, diabetes mellitus; HIV, human immunodeficiency virus; HTN, hypertension; C-section, cesarean section; IQR, interquartile range.

“Other” procedure group includes subspecialty surgeries: ear, nose and throat (ENT), neurosurgery, cardiothoracic, urology, ophthalmology.