

## Supplemental Appendix

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**Supplemental Table 1. Baseline Characteristics for Deceased Patients in the Surgical Intensive Care Unit (ICU) by Code Status, Trauma vs Non-Trauma, June 1, 2018- January 31, 2023**

	Non-Trauma Patients				Trauma Patients			
	All	DNR	Full Code	p-value	All	DNR	Full Code	p-value
<b>No. of Patients (%)</b>	641 (100)	541 (84.4)	100 (15.6)		105 (100)	62 (59.1)	43 (40.9)	
<b>Age, median (IQR)</b>	70 (60-77)	70 (61-78)	66 (56-75)	0.013	51 (28-74)	65 (44-78)	29 (21-42)	<0.001
<b>Male Sex, n (%)</b>	336 (52.4)	278 (51.4)	58 (58.0)	0.22	81 (77.1)	47 (75.8)	34 (79.1)	0.70
<b>Race, n (%)</b>				0.002				<0.001
White	378 (59.0)	327 (60.4)	51 (51.0)		38 (36.2)	34 (54.8)	4 (9.3)	
Black	208 (32.5)	170 (31.4)	38 (38.0)		61 (58.1)	25 (40.3)	36 (83.7)	
Other*	45 (7.0)	37 (6.8)	8 (8.0)		6 (5.7)	3 (4.8)	3 (7.0)	
Missing	10 (1.6)	7 (1.3)	3 (3.0)					
<b>Admit Diagnosis, n (%)</b>								<0.001
Respiratory failure	78 (12.2)	66 (12.2)	12 (12.0)		0	0	0	
Sepsis	46 (7.2)	38 (7.0)	8 (8.0)		0	0	0	
Penetrating trauma	0	0	0		40 (38.1)	10 (16.1)	30 (69.8)	
Blunt trauma	0	0	0		65 (61.9)	52 (83.9)	13 (30.2)	
<b>Operation</b>	382 (59.6)	318 (58.8)	64 (64.0)	0.33	50 (47.6)	27 (43.6)	23 (53.5)	0.32
<b>ICU LOS, median (IQR)</b>	6 (2-13)	6 (3-14)	3 (2-9)	<0.001	4 (2-11)	7 (3-13)	2 (1-6)	<0.001
<b>Expected Death on ICU Admission (%)</b>	165 (25.7)	145 (26.8)	20 (20.0)	0.15	31 (29.5)	13 (21.0)	18 (41.9)	0.021
<b>Intubated (%)</b>	528 (82.4)	438 (81.0)	90 (90.0)	0.03	99 (94.3)	57 (91.9)	42 (97.7)	0.21
<b>Trach (%)</b>	53 (10.0)	49 (11.2)	4 (4.4)	0.053	8 (8.2)	5 (8.8)	3 (7.3)	0.8
<b>Apache II Score, mean (sd)</b>	26.3 (10.3)	25.8 (11.0)	26.4 (10.1)	0.64	25.8 (9.8)	25.1 (10.1)	27 (9.5)	0.43

\*Other Race= Asian, Hispanic, Other

DNR= Do Not Resuscitate

**Supplemental Appendix Table 2. Characteristics of Deceased Patients in the Surgical Intensive Care Unit (SICU): Trauma vs Non-Trauma Patients, June 1, 2018-January 31, 2023**

Characteristics	Non-Trauma Patients (n=641)				Trauma Patients (n=105)			
	All Patients	Expected Deaths	Unexpected Deaths	p-value	All Patients	Expected Deaths	Unexpected Deaths	p-value
<b>Number of Patients (%)</b>	641 (100)	165 (25.7)	476 (74.3)		105 (100)	31 (29.5)	74 (70.5)	
<b>Age, median (%)</b>	70 (60-77)	69 (57-76)	70 (61-77)	0.35	51 (28-74)	33 (24-53)	56 (30-77)	0.03
<b>Race, n (%)</b>				<0.001				0.10
White	378 (59.0)	79 (47.9)	299 (62.8)		38 (36.2)	7 (22.6)	31 (41.9)	
Black	208 (32.5)	67 (40.6)	141 (29.6)		61 (58.1)	23 (74.2)	38 (51.4)	
Other	45 (7.0)	18 (10.9)	27 (5.7)		6 (5.7)	1 (3.2)	5 (6.8)	
Missing	10 (1.6)	1 (0.6)	9 (1.9)		0	0	0	
<b>Male Gender, n (%)</b>	336 (52.4)	87 (52.7)	249 (52.3)	0.93	81 (77.1)	23 (74.2)	58 (78.4)	0.64
<b>ICU LOS, median (IQR)</b>	5	3 (2-9)	7 (3-15)	<0.001	4 (2-11)	3 (1-7)	6 (2-12)	0.01
<b>APACHE II Score, mean (SD)</b>	26.3 (10.3)	29.0 (11.2)	25.6 (9.9)	0.014	25.8 (9.8)	31.1 (4.7)	24.9 (10.2)	0.004
<b>DNR at SICU Admission (%)</b>	35 (8.3)	23 (13.9)	12 (4.7)	0.001	2 (3.2)	0 (0)	2 (6.5)	0.15
<b>DNR at time of Death (%)</b>	541 (84.4)	145 (87.9)	396 (83.2)	0.15	62 (59.1)	13 (41.9)	49 (66.2)	0.021
<b>Operation, n (%)</b>	382 (59.6)	93 (56.4)	289 (60.7)	0.33	50 (47.6)	25 (80.7)	25 (33.8)	<0.001
<b>Intubated, n (%)</b>	528 (82.4)	133 (80.6)	395 (82.9)	0.49	99 (94.3)	29 (93.6)	70 (94.6)	0.83

DNR = Do Not Resuscitate

**Supplemental Table 3. Baseline Characteristics for Deceased Patients in the Surgical Intensive Care Unit (ICU), Traumatically Injured vs Non-Injured stratified by Electronic Medical Record (EMR) Linkage, June 1, 2018- January 31, 2023**

	All	Linked to EMR	Not Linked to EMR	p-value
<b>No. of Patients (%)</b>	746 (100)	135 (18.1)	611 (81.9)	
<b>Age, median (IQR)</b>	69 (57-77)	69 (57-76)	70 (57-78)	0.46
<b>Male Sex, n (%)</b>	417 (55.9)	339 (55.5)	78 (57.8)	0.63
<b>Race, n (%)</b>				<0.001
White	416 (55.8)	355 (59.0)	61 (45.2)	
Black	269 (36.1)	199 (33.1)	70 (51.9)	
Other*	51 (6.8)	48 (8.0)	3 (2.2)	
Missing	10 (1.3)	9 (1.5)	1 (0.74)	
<b>Admit Diagnosis, n (%)</b>				
Respiratory failure	78 (10.5)	73 (12.0)	5 (3.7)	0.005
Sepsis	46 (6.2)	35 (5.7)	11 (8.2)	0.29
Penetrating trauma	40 (5.4)	26 (4.3)	14 (10.4)	0.004
Blunt trauma	65 (8.7)	45 (7.5)	20 (14.8)	0.005
<b>Operation</b>	432 (57.9)	431 (70.5)	1 (0.74)	<0.001
<b>ICU LOS, median (IQR)</b>	5 (2-13)	4 (2-9)	6 (2-13)	0.01
<b>DNR Status at Time of Death (%)</b>	603 (80.8)	498 (81.5)	105 (77.8)	0.32
<b>Expected Death on ICU Admission (%)</b>	196 (26.3)	186 (41.1)	10 (29.4)	0.18
<b>Intubated (%)</b>	627 (84.1)	512 (83.8)	115 (85.2)	0.69
<b>Trach (%)</b>	61 (9.7)	55 (10.8)	6 (5.2)	0.07
<b>Apache II Score, mean (sd)</b>	26.2 (10.2)	25.8 (10.0)	27.8 (10.8)	0.08

\*Other Race= Asian, Hispanic, Other

DNR= Do Not Resuscitate

**Supplemental Appendix Figure 1: Flow Diagram of Patient Included in the Study and Linked to the Electronic Medical Record (EMR)**

