

**Appendix 1: Characteristics of the Study Population in the Main Propensity Score Matched Cohort<sup>a</sup>**  
 [posted as supplied by author]

	Epinephrine ≤ 2 min (n = 1489)	No epinephrine ≤ 2 min (n = 1489)	p-value	Standardized difference <sup>b</sup>
<b>Demographics</b>				
Age – median years (quartiles)	65 (54, 76)	66 (55, 76)	0.45	-0.028
Sex (female) – no. (%)	525 (35)	537 (36)	0.65	-0.017
Race – no. (%)			0.92	
White	1116 (75)	1122 (75)		-0.009
Black	217 (15)	212 (14)		0.010
Other	59 (4)	64 (4)		-0.017
Unknown	97 (7)	91 (6)		0.017
<b>Type of Admission – no. (%)</b>			0.81	
Medical – non-cardiac	388 (26)	410 (28)		-0.033
Medical – cardiac	728 (49)	711 (48)		0.023
Surgical – non-cardiac	177 (12)	178 (12)		-0.002
Surgical – cardiac	196 (13)	190 (13)		0.012
<b>Pre-existing Conditions – no. (%)</b>				
<b>Cardiac</b>				
History of MI	320 (21)	311 (21)	0.69	0.015
MI this admission	429 (29)	446(30)	0.47	-0.025
History of heart failure	332 (22)	336 (23)	0.86	-0.006
Heart failure this admission	272 (18)	262 (18)	0.63	0.018
<b>Non-Cardiac</b>				
Respiratory insufficiency	547 (37)	557 (37)	0.70	-0.014
Diabetes mellitus	437 (29)	455 (31)	0.47	-0.026
Renal insufficiency	424 (28)	435 (29)	0.64	-0.016
Metastatic/hematologic malignancy	128 (9)	125 (8)	0.84	0.007
Hypotension/hypoperfusion	390 (26)	391 (26)	0.97	-0.002
Pneumonia	119 (8)	121 (8)	0.89	-0.005
Baseline depression in CNS function	129 (9)	145 (10)	0.31	-0.037
Metabolic/electrolyte abnormality	203 (14)	212 (14)	0.63	-0.018
Septicemia	184 (12)	184 (12)	1.00	0.000
Acute CNS non-stroke event	79 (5)	83 (6)	0.75	-0.012
Hepatic insufficiency	97 (7)	83 (6)	0.29	0.040
Acute stroke	60 (4)	60 (4)	1.00	0.000
Major trauma	48 (3)	46 (3)	0.82	0.008
<b>Hospital Characteristics - no. (%)</b>				
<b>Bed size</b>				
1 – 249	201 (14)	205 (14)	0.50	-0.008
250 – 499	537 (36)	564 (38)		-0.038
500+	751 (50)	720 (48)		0.042
<b>Teaching Status</b>				
Major	674 (45)	668 (45)	0.90	0.008

Minor	365 (25)	376 (25)		-0.017
Non-teaching	450 (30)	445 (30)		0.007
<b>Ownership</b>			0.18	
Private	237 (16)	251 (17)		-0.025
Government	130 (9)	108 (7)		0.055
Non-Profit	1108 (74)	1023 (75)		-0.023
Military	14 (1)	7 (0)		0.056
<b>Location</b>			0.42	
Rural	59 (4)	68 (5)		-0.030
Urban	1430 (96)	1421 (95)		0.030
<b>Geographical Location</b>			0.59	
North-East	245 (16)	241 (16)		0.007
South-East	369 (25)	356 (24)		0.020
Mid-West	339 (23)	378 (25)		-0.061
South-West	323 (22)	308 (21)		0.025
West	213 (14)	206 (14)		0.014
<b>Year of the arrest – no. (%)</b>			1.00	
2006	271 (18)	275 (18)		-0.007
2007	282 (19)	271 (18)		0.019
2008	250 (17)	257 (17)		-0.013
2009	246 (17)	243 (16)		0.005
2010	157 (11)	161 (11)		-0.009
2011	172 (12)	176 (12)		-0.008
2012	111 (7)	106 (7)		0.013
<b>Interventions in place at time of arrest – no. (%)</b>				
Mechanical ventilation	574 (39)	579 (39)	0.85	-0.007
ECG monitor	1369 (92)	1363 (92)	0.69	0.015
Pulse oximeter	1178 (79)	1171 (79)	0.75	0.012
Vasoactive agents	498 (33)	489 (33)	0.73	0.013
Antiarrhythmic drugs	190 (13)	167 (11)	0.18	0.048
<b>Arrest Characteristics – no. (%)</b>				
<b>Location</b>			0.93	
Emergency department	152 (10)	159 (11)		-0.015
Floor with telemetry	208 (14)	214 (14)		-0.012
Floor without telemetry	116 (8)	120 (8)		-0.010
ICU	821 (55)	812 (55)		0.012
OR, PACU, or interventional area	167 (11)	154 (10)		0.028
Other	25 (2)	32 (2)		-0.025
Time of day (night [11:00pm – 6:59am])	423 (28)	404 (27)	0.44	-0.025
Weekend (Friday 11pm to Monday 7am)	457 (31)	475 (32)	0.47	-0.026
Hospital wide cardiac arrest response activated	1025 (69)	1047 (70)	0.37	-0.032
Witnessed	1333 (90)	1314 (88)	0.27	0.041
<b>Initial rhythm</b>			0.56	
Pulseless VT	505 (34)	520 (35)		-0.021

VF	984 (66)	969 (65)		0.021
Time to defibrillation from loss of pulse			0.49	
0 - 1 min	970 (65)	945 (63)		0.035
1 - 2 min	295 (20)	298 (20)		-0.005
2 - 3 min	224 (15)	246 (17)		-0.041
Post-defibrillation rhythm			0.23	
Pulseless VT	443 (30)	472 (32)		-0.042
VF	1046 (70)	1017 (68)		0.042
Intubation 0 - 1 min after loss of pulse	91 (6)	68 (5)	0.05	0.042

<sup>a</sup> MI: myocardial infarction, CNS: central nervous system, ECG: electro cardiogram, OR: operating room, PACU: post-anesthesia care unit, VT: ventricular tachycardia, VF: ventricular fibrillation

<sup>b</sup> Standardized differences are calculated as the difference in means or proportions divided by the standard error