

## Supplementary Appendix

This appendix has been provided by the authors to give readers additional information about their work.

Supplement to: Chan PS, Krumholz HM, Nichol G, et al. Delayed time to defibrillation after in-hospital cardiac arrest. *N Engl J Med* 2008;358:9-17.

## Online Appendix

**Table: Study Endpoints and Adjusted Survival Rates By Hospital Unit**

ICU	≤ 2 minutes (n=2,910)	> 2 minutes (n=816)	Adjusted OR* (95% CI)	p-value
<b>SURVIVAL OUTCOMES</b>				
ROSC, n (%)	2,018 (69.3%)	405 (49.6%)	0.47 (0.39, 0.55)	<.001
Alive at 24 Hours, n (%)	1,624 (55.8%)	283 (34.7%)	0.43 (0.36, 0.51)	<.001
Survival to Discharge, n (%)	1,136 (39.0%)	169 (20.7%)	0.43 (0.35, 0.53)	<.001
<b>SURVIVORS ONLY (n=1,305)</b>				
<b>NEUROLOGICAL OUTCOMES</b>				
	(n=923)	(n=136)	0.60 (0.41, 0.87)**	0.007**
No Major Deficits, n (%)	554 (60.0%)	66 (48.5%)		
Major Disability or Coma, n (%)	369 (40.0%)	70 (51.5%)		
<b>FUNCTIONAL OUTCOMES</b>				
	(n=921)	(n=136)	0.62 (0.41, 0.95)**	0.03**
No Major Deficits, n (%)	338 (36.7%)	37 (27.2%)		
Major Disability or Coma, n (%)	583 (63.3%)	99 (72.8%)		

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TELEMETRY	≤ 2 minutes (n=1,368)	> 2 minutes (n=816)	Adjusted OR* (95% CI)	p-value
<b>SURVIVAL OUTCOMES</b>				
ROSC, n (%)	926 (67.7%)	433 (53.1%)	0.59 (0.49, 0.71)	<.001
Alive at 24 Hours, n (%)	799 (58.4%)	362 (44.4%)	0.60 (0.49, 0.72)	<.001
Survival to Discharge, n (%)	619 (45.3%)	230 (28.2%)	0.50 (0.41, 0.61)	<.001
<b>SURVIVORS ONLY (n=849)</b>				
<b>NEUROLOGICAL OUTCOMES</b>				
	(n=538)	(n=201)	0.91 (0.64, 1.30)**	0.61**
No Major Deficits, n (%)	326 (60.6%)	115 (57.2%)		
Major Disability or Coma, n (%)	212 (39.4%)	86 (42.8%)		
<b>FUNCTIONAL OUTCOMES</b>				
	(n=534)	(n=201)	0.92 (0.62, 1.36)**	0.79**
No Major Deficits, n (%)	170 (31.8%)	58 (28.9%)		
Major Disability or Coma, n (%)	364 (68.2%)	143 (71.1%)		

<b>UNMONITORED</b>	<b>≤ 2 minutes (n=466)</b>	<b>&gt; 2 minutes (n=413)</b>	<b>Adjusted OR* (95% CI)</b>	<b>p-value</b>
<b>SURVIVAL OUTCOMES</b>				
<i>ROSC, n (%)</i>	221 (47.4%)	165 (40.0%)	0.73 (0.55, 0.98)	0.04
<i>Alive at 24 Hours, n (%)</i>	184 (39.5%)	120 (29.1%)	0.61 (0.45, 0.83)	0.002
<i>Survival to Discharge, n (%)</i>	108 (23.2%)	56 (13.6%)	0.52 (0.36, 0.75)	<.001
<b>SURVIVORS ONLY (n=164)</b>				
<b>NEUROLOGICAL OUTCOMES</b>				
	<b>(n=88)</b>	<b>(n=44)</b>	0.42 (0.08, 1.00)**	0.05**
<i>No Major Deficits, n (%)</i>	51 (58.0%)	16 (36.4%)		
<i>Major Disability or Coma, n (%)</i>	37 (42.0%)	28 (63.6%)		
<b>FUNCTIONAL OUTCOMES</b>				
	<b>(n=87)</b>	<b>(n=44)</b>	0.39 (0.09, 1.68)**	0.20**
<i>No Major Deficits, n (%)</i>	25 (28.7%)	5 (11.4%)		
<i>Major Disability or Coma, n (%)</i>	62 (71.3%)	39 (88.6%)		

\*adjusted for age, sex, race, initial cardiac rhythm, admitting diagnosis, heart failure and myocardial infarction during admission, co-morbidities at time of cardiac arrest, time of cardiac arrest, use of a hospital-wide code blue, treatment interventions (intra-aortic balloon pump, pulmonary artery catheter, and hemodialysis), hospital-bed type, and hospital size.

\*\*For neurological and functional outcomes, model comparisons were made between those survivors discharged with no major deficits vs. those with a moderate degree of disability or worse.