

Supplemental Material

Table S1. Dispatch codes for cardiac arrest used at the Emergency Medical Coordination Center.

Unconscious Adult – Unresponsive and not breathing normally
Unconscious Adult – Ongoing cardiopulmonary resuscitation
Unconscious Adult - Case of serious illness
Unconscious Adult – Unresponsive and no breathing
Unconscious Adult – Ongoing Telephone-CPR
Unconscious Adult -Unresponsive
Unconscious child – Unresponsive and not breathing normally
Unconscious child – Ongoing cardiopulmonary resuscitation
Unconscious child – Case of serious illness
Unconscious child – Unresponsive and no breathing
Unconscious child - Unresponsive
Unconscious child - Ongoing Telephone-CPR
Seizure – Unresponsive
Difficulty in breathing – Unresponsive
Diabetes – Unresponsive
Drowning – Unresponsive and not breathing normally
Suspected suicide – Unresponsive and not breathing normally

Table S2. Baseline characteristics of patients not included in control or intervention group.

		Intervention n=3543	Control n=5155	Not included n=2928
		N (%)	N (%)	N (%)
YEAR	2012	961 (27.1%)	1541 (29.9%)	1227 (35.4%)
	2013	1204 (34.0%)	1739 (33.7%)	1155 (33.3%)
	2014	1378 (38.9%)	1875 (36.4%)	1086 (31.3%)
Time of day	Day 07-18	2190 (65.9%)	3318 (64.4%)	2265 (66.1%)
Sex	Female	1132 (32.0%)	1639 (31.8%)	1165 (33.6%)
Location	Outside home	1040 (29.4%)	1431 (27.8%)	1051 (30.3%)
Witnessed	Yes	2001 (58.3%)	3062 (60.5%)	2137 (64.4%)
BY-CPR	Yes	2039 (58.2%)	2870 (56.0%)	1905 (55.5%)
Rhythm	VF/VT	761 (22.0%)	1091 (22.2%)	743 (22.0%)
INDEXED as	Cardiac arrest	2701 (76.2%)	3623 (70.3%)	2122 (61.2%)
Etiology	Medical	3027 (88.8%)	4476 (89.1%)	2027 (62.2%)
Publ deff	Yes	65 (1.8%)	94 (1.8%)	71 (2.0%)
AGE (median, q1, q3)		71 (60-81)	71 (60-80)	71 (60-81)
AGE (mean, sd)		(68.6) (16.5)	68.0 (16.7)	68.6 (16.3)
Call - arrival EMS (median, q1, q3)		12 (8-17)	12 (8-18)	11.0 (8-17))
Call - arrival EMS (mean, sd)		14.1 (9.0)	14.4 (10.3)	13.9 (9.5)

BY-CPR:bystander-cardiopulmonary resuscitation;VF/VT:ventricular fibrillation/ventricular tachycardia;INDEXED:indexed as cardiac arrest at dispatch center;Public defib:public access defibrillation;EMS:emergency medical services.

Table S3. Outcome variables for patients not included in control or intervention group.

	Intervention n=3543 n (%)	Control n=5155 n (%)	Not included n=2928 n (%)
First R. First at scene	1571 (44.3)	950 (18.4)	289 (8.3%)
Def. by First R.	188 (5.3)	239 (4.6)	62 (1.8%)
Admitted alive	1143 (32.4)	1331 (26.2)	1054 (30.8%)
30d survival	335 (9.6)	445 (8.8)	330 (9.7%)
Call – dispatch EMS*	2 (1-3)	2 (1-2)	2 (1-3)
Call – dispatch EMS†	2.5 (3.1)	2.1 (2.5)	2.9 (4.7)
Call - arrival FirstR*	9 (7-13)	10 (7-15)	11 (8-16)
Call - arrival FirstR†	11.0 (6.1)	12.5 (8.1)	12.9 (7.9)

First R: first responders; Defib. by First R: defibrillation by first responders; Call-arrival First

R: emergency call to arrival of first responders on scene: *(median, q1, q3): †(mean, sd)

Figure S1. Kaplan-Meier survival curve for control and intervention group after propensity score matching.

