

Supplementary Table 1. Short-term outcomes during index hospitalization, from 6,325 patients with a final diagnosis of ST-elevation myocardial infarction

Characteristic	Off-hours group (n = 3,725)	On-hours group (n = 2,600)	p value
In-hospital decease or hopeless discharge	218 (5.85)	134 (5.15)	0.233
In-hospital decease	206 (5.53)	122 (4.69)	0.139
No any revascularization or failed PCI	141 (3.79)	108 (4.15)	0.458
Thrombolysis	114 (3.06)	15 (0.58)	< 0.001
In-hospital complications			
Cardiogenic shock	512 (13.74)	311 (11.96)	0.038
New-onset heart failure	165 (4.43)	102 (3.92)	0.324
Reoccur MI	21 (0.56)	15 (0.58)	0.945
ST	18 (0.48)	15 (0.57)	0.611
Any CVA	61 (1.64)	56 (2.15)	0.134
Bleeding complications (Hgb decrease by 5 g/dL or Hct decrease by 15 %)	48 (1.29)	51 (1.96)	0.034
Atrioventricular block	138 (3.70)	102 (3.92)	0.655
Ventricular tachycardia or fibrillation	308 (8.27)	178 (6.85)	0.037
Atrial fibrillation	145 (3.89)	96 (3.69)	0.682
Acute kidney injury	36 (0.97)	27 (1.04)	0.777
Sepsis	25 (0.67)	12 (0.46)	0.282
Multi-organ failure	38 (1.02)	18 (0.69)	0.171
Supportive treatment			
CPR	362 (9.72)	203 (7.81)	0.009
Percutaneous ventricular mechanical support devices			
IABP	195 (5.23)	121 (4.65)	0.297
ECMO	68 (1.83)	41 (1.58)	0.455
Any defibrillation	259 (6.95)	149 (5.73)	0.052
Permanent pacemaker implantation	6 (0.16)	2 (0.08)	0.484
ICD	1 (0.02)	5 (0.19)	0.046
CABG	21 (0.56)	15 (0.58)	0.945

Values are presented as number (%).

PCI, percutaneous coronary intervention; MI, myocardial infarction; ST, stent thrombosis; CVA, cerebrovascular accident; Hgb, hemoglobin; Hct, hematocrit; CPR, cardiopulmonary resuscitation; IABP, intra-aortic balloon pump; ECMO, extracorporeal membrane oxygenation; ICD, implantable cardiac defibrillator; CABG, coronary artery bypass graft.