Supplementary file 1

Table S1. Risk factors associated with 30-day mortality of STEMI patients, including patients with out-of-hospital cardiac arrests: a sensitivity analysis						
	Crude HRs (95% CIs)	P-Value	Fully-adjusted HRs (95% CIs)	P-value	Final model HRs (95% CIs)	P-Value
Age (years)	1.05 (1.04–1.06)	<0.001	1.02 (1.00–1.04)	0.117	1.02 (1.00-1.04)	0.005
Female sex	2.11 (1.54–2.89)	<0.001	1.39 (0.87–2.22)	0.163		
Ever smoker	0.55 (0.40–2.75)	<0.001	1.36 (0.86–2.13)	0.187		
Diabetes mellitus	1.70 (1.22–2.38)	0.002	0.98 (0.60–1.60)	0.936		
Hypertension	1.94 (1.42–2.64)	<0.001	1.20 (0.77–1.88)	0.419		
History of coronary intervention	1.16 (0.70–1.91)	0.570	1.37 (0.67–2.78)	0.390		
History of cardiovascular events	1.63 (1.15–2.31)	0.006	1.10 (0.66–1.86)	0.712		
Body mass index	0.95 (0.90–0.99)	0.027	0.96 (0.91–1.02)	0.175		
Referral from non-PPCI-capable hospitals	1.87 (1.37–2.55)	<0.001	2.02 (1.29–3.16)	0.002	1.53 (1.10–2.11)	0.010
Heart rate >100 bpm	2.62 (1.77–3.87)	<0.001	1.32 (0.75–2.32)	0.337		
Systolic blood pressure <100 mmHg	5.93 (4.30–8.18)	<0.001	3.28 (2.02–5.33)	<0.001	4.21 (2.95–6.01)	<0.001
Anterior MI/LBBB	1.14 (0.84–1.55)	0.411	1.55 (1.02–2.36)	0.040	1.43 (1.04–1.97)	0.029
GFR (mL/min per 1.73m^2)	0.95 (0.94–0.96)	<0.001	0.96 (0.95–0.98)	<0.001	0.96 (0.95–0.97)	<0.001
High LDL-C*	0.94 (0.44–2.00)	0.868	1.13 (0.45–2.83)	0.797		
Low HDL-C**	1.65 (1.13–2.40)	0.010	1.15 (0.74–1.78)	0.535		
Symptom onset-to arrival time (hours) (Reference: <4 hours)						
4-8 hours	1.43 (0.91–2.24)	0.119	0.92 (0.54–1.57)	0.767		
>8 hours	1.80 (1.12–2.87)	0.014	0.89 (0.50–1.59)	0.689		
Reperfusion therapy (Reference: PPCI)						
Pharmaco-invasive	0.45 (0.18–1.13)	0.089	0.66 (0.23–1.86)	0.428	0.50 (0.20–1.24)	0.133
Thrombolysis	1.37 (0.86–2.20)	0.184	1.29 (0.71–2.33)	0.398	1.29 (0.80–2.06)	0.292
No reperfusion	4.08 (2.91–5.72)	<0.001	2.05 (1.26–3.34)	0.004	2.11 (1.46–3.06)	<0.001
out-of-hospital cardiac arrests	14.03 (9.14–21.54)	<0.001	6.96 (3.47–13.98)	<0.001	4.92 (2.95–8.21)	<0.001
STEMI, ST-segment elevation myocardial infarction; HR, Hazard ratio; CI, Confidence interval; MI: Myocardial infarction; LBBB: Left bundle branch block; HDL-C, High-density lipoprotein cholesterol; LDL-C, Low-density lipoprotein cholesterol; GFR, Glomerular filtration rate; PPCI, Primary percutaneous coronary intervention. *LDL-C>160 mg/dL. **HDL-C<40 mg/dL in men and HDL-C<50 mg/dL in women.						