

Supplementary Material 1. The Global Registry of Acute Coronary Events (GRACE) 6-month post-discharge prediction model

The primary end point was all-cause mortality occurring within 6 months of discharge from hospital. Nine multivariate predictors of mortality were identified (**Table**). **Figure** illustrates a method to estimate a patient's risk depending on the total score obtained by summing the individual scores for each of the 9 variables in the model.

Table. Multivariate predictors for the 6-month postdischarge mortality model

Predictors	χ^2	HR (95% CI)		
		Development cohort (n=15,007)	Validation cohort (n=7,638)	All patients with ACS (n=22,645)
Age per 10-year increase	228.6	1.8 (1.64–1.91)	1.7 (1.48–1.86)	1.7 (1.63–1.84)
History of myocardial infarction	22.0	1.5 (1.26–1.75)	1.2 (0.88–1.50)	1.4 (1.20–1.59)
History of congestive heart failure	66.5	2.2 (1.79–2.59)	2.0 (1.50–2.70)	2.1 (1.80–2.47)
Pulse per 30/min increase	28.8	1.3 (1.16–1.43)	1.4 (1.20–1.66)	1.3 (1.23–1.47)
Systolic blood pressure per 20-mmHg decrease	21.5	1.1 (1.08–1.20)	1.0 (0.92–1.19)	1.1 (1.06–1.17)
Initial serum creatinine level per 1-mg/dL increase*	28.1	1.2 (1.11–1.24)	1.2 (1.10–1.30)	1.2 (1.12–1.23)
Initial cardiac enzyme elevation*	33.3	1.6 (1.39–1.89)	1.5 (1.20–1.99)	1.5 (1.33–1.79)
ST-segment depression	19.2	1.4 (1.22–1.69)	1.6 (1.25–2.05)	1.5 (1.29–1.69)
No in-hospital PCI	14.8	1.6 (1.24–1.96)	1.5 (1.11–2.11)	1.9 (1.30–1.88)
C statistic		0.81	0.75	0.77

ACS = acute myocardial infarction; CI = confidence interval; HR = hazard ratio; PCI = percutaneous coronary intervention.

*Value of the first serum creatinine or cardiac enzyme drawn following presentation to hospital for the acute event.

Risk Calculator for 6-Month Postdischarge Mortality After Hospitalization for Acute Coronary Syndrome

Record the points for each variable at the bottom left and sum the points to calculate the total risk score. Find the total score on the x-axis of the nomogram plot. The corresponding probability on the y-axis is the estimated probability of all-cause mortality from hospital discharge to 6 months.

Medical History		Findings at Initial Hospital Presentation		Findings During Hospitalization	
① Age in Years	Points	④ Resting Heart Rate, beats/min	Points	⑦ Initial Serum Creatinine, mg/dL	Points
≤29	0	≤49.9	0	0–0.39	1
30–39	0	50–69.9	3	0.4–0.79	3
40–49	18	70–89.9	9	0.8–1.19	5
50–59	36	90–109.9	14	1.2–1.59	7
60–69	55	110–149.9	23	1.6–1.99	9
70–79	73	150–199.9	35	2–3.99	15
80–89	91	≥200	43	≥4	20
≥90	100				
② History of Congestive Heart Failure	24	⑤ Systolic Blood Pressure, mm Hg		⑧ Elevated Cardiac Enzymes	15
③ History of Myocardial Infarction	12	≤79.9	24	⑨ No In-Hospital Percutaneous Coronary Intervention	14
		80–99.9	22		
		100–119.9	18		
		120–139.9	14		
		140–159.9	10		
		160–199.9	4		
		≥200	0		
			1		
		⑥ ST-Segment Depression	11		

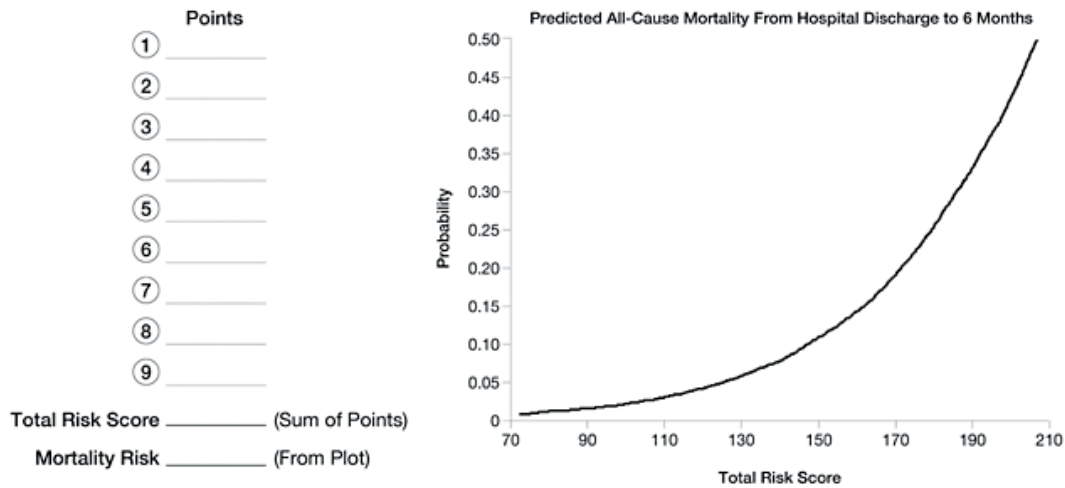


Figure. GRACE prediction score card and nomogram for all-cause mortality from discharge to 6 months.

GRACE = Global Registry of Acute Coronary Events.