

# ACS IN-HOSPITAL AND 6-MONTH POST DISCHARGE MORTALITY CALCULATOR

## GRACE VERSION 1.0

There has been an updated version developed, Grace 2.0.  
However due to the incremental range and scoring used for Age, Blood pressure and Creatinine, it was impractical to present in this format.

AGE

< 30 Years	0
30 - 39 Years	+8
40 - 49 Years	+25
50 - 59 Years	+41
60 - 69 Years	+58
70 - 79 Years	+75
80 - 89 Years	+91
90+ Years	+100

HEART RATE  
(BPM)

< 50	0
50 - 69	+3
70 - 89	+9
90 - 109	+15
110 - 149	+24
150 - 199	+38
200+	+46

SYSTOLIC BLOOD PRESSURE (mmHg)

200+	0
160 - 199	+10
140 - 159	+24
120 - 139	+34
100 - 119	+43
80 - 99	+53
< 80	+58

SERUM CREATININE (μmol/L)

< 35	0
35 - 70	+4
71 - 105	+7
106 - 140	+10
141 - 175	+13
176 - 350	+21
305 +	+28

KILLIP CLASS  
Signs / Symptoms

No CHF	0
Rales +/- JVD	+20
Pulmonary Oedema	+39
Cardiogenic Shock	+59

CARDIAC ARREST AT ADMISSION

+39

ST SEGMENT DEVIATION ECG

+28

ABNORMAL CARDIAC ENZYMES

+14

## Non-STEMI ACS In-hospital Mortality

RISK	SCORE	MORTALITY
LOW	1-108	< 1%
MODERATE	109-140	1-3%
HIGH	141-372	> 3%

## Non-STEMI ACS 6 Month Post-discharge Mortality

RISK	SCORE	MORTALITY
LOW	1-88	< 3%
MODERATE	89-118	3-8%
HIGH	119-263	> 8%

## STEMI ACS In-hospital Mortality

RISK	SCORE	MORTALITY
LOW	49-125	< 2%
MODERATE	126-154	2-5%
HIGH	155-319	> 5%

## STEMI ACS 6 Month Post-discharge Mortality

RISK	SCORE	MORTALITY
LOW	27-99	< 4.4%
MODERATE	100-127	4.5-11%
HIGH	128-263	> 11%