

Supplementary Table 2A: Univariate association of clinical variables with 30-day, 1-year, and total mortality in the survivors at discharge cohort. Data are hazard ratio (95% confidence intervals)

	Mortality N(%)		
N= 3790	30 days 106(2.80)	1 Year 363(9.60)	All 726(19.10)
Admission Demographics Variables			
Gender (Female vs Male)	0.585 (0.395 , 0.865)	0.520 (0.422 , 0.640)	0.577 (0.497 , 0.670)
Age (year)	1.059 (1.041 , 1.077)	1.080 (1.069 , 1.090)	1.088 (1.080 , 1.096)
SBP (mmHg)	0.985 (0.978 , 0.992)	0.995 (0.991 , 0.999)	0.998 (0.996 , 1.001)
Heart Rate (beats/min)	1.002 (0.994 , 1.010)	1.012 (1.008 , 1.015)	1.012 (1.010 , 1.015)
Total Cholesterol (mmol/L)	0.772 (0.646 , 0.922)	0.801 (0.730 , 0.879)	0.752 (0.703 , 0.803)
Admission plasma glucose (mmol/L)	1.069 (1.044 , 1.095)	1.060 (1.045 , 1.076)	1.054 (1.042 , 1.065)
eGFR (mL/min)	0.957 (0.947 , 0.967)	0.954 (0.949 , 0.959)	0.959 (0.955 , 0.963)
nSTEMI vs STEMI	0.558 (0.367 , 0.850)	1.015 (0.824 , 1.250)	1.213 (1.048 , 1.403)
Year of Admission			
Oct 2002-Dec 2003	1	1	1
2004	0.907 (0.551 , 1.494)	0.789 (0.590 , 1.054)	0.915 (0.757 , 1.105)
2005	0.490 (0.234 , 1.024)	0.670 (0.465 , 0.964)	0.727 (0.567 , 0.934)
2006	0.647 (0.334 , 1.252)	0.562 (0.382 , 0.827)	0.645 (0.489 , 0.850)
2007	0.402 (0.215 , 0.751)	0.517 (0.376 , 0.712)	0.560 (0.435 , 0.721)
2008	0.261 (0.115 , 0.589)	0.477 (0.333 , 0.682)	0.460 (0.331 , 0.639)
Test for Linear Trend (p-value)	0.002	<0.001	<0.001
Ethnicity (South Asian vs. White European)	1.172 (0.726 , 1.891)	0.881 (0.665 , 1.167)	0.824 (0.673 , 1.008)
Medical History (Yes vs No)			
Smoking	1.417 (0.945 , 2.124)	1.179 (0.950 , 1.464)	1.281 (1.101 , 1.491)
Prior Diabetes	1.363 (0.874 , 2.124)	1.736 (1.384 , 2.177)	1.782 (1.516 , 2.093)
Prior Coronary Heart Disease §	1.427 (0.848 , 2.402)	1.289 (0.965 , 1.722)	1.309 (1.071 , 1.601)
Prior Hypertension	1.987 (1.315 , 3.002)	1.752 (1.413 , 2.172)	1.646 (1.417 , 1.912)
Pre -Admission Medication (Yes vs No)			
Aspirin	0.945 (0.633 , 1.412)	1.078 (0.865 , 1.344)	1.038 (0.889 , 1.211)
Beta Blocker	1.966 (1.306 , 2.960)	1.850 (1.484 , 2.305)	1.582 (1.348 , 1.857)
Statin	1.169 (0.759 , 1.799)	1.306 (1.042 , 1.638)	1.323 (1.125 , 1.556)
ACEI or ARB	1.174 (0.762 , 1.807)	1.708 (1.373 , 2.124)	1.833 (1.570 , 2.140)
Admission treatment (Yes vs No)			
Initial Reperfusion	1.154 (0.774 , 1.720)	0.570 (0.464 , 0.701)	0.449 (0.387 , 0.521)
Loop Diuretic	3.199 (2.129 , 4.806)	4.940 (3.922 , 6.221)	4.174 (3.573 , 4.877)
Discharge Medication (Yes vs No)			
Aspirin	0.165 (0.107 , 0.253)	0.582 (0.469 , 0.723)	0.908 (0.771 , 1.069)
Beta Blocker	0.138 (0.086 , 0.221)	0.557 (0.451 , 0.688)	0.729 (0.626 , 0.848)
Statin	0.166 (0.108 , 0.255)	0.458 (0.371 , 0.566)	0.624 (0.536 , 0.726)
ACEI or ARB	0.176 (0.112 , 0.276)	0.545 (0.441 , 0.673)	0.886 (0.759 , 1.036)

SBP, Systolic blood pressure; eGFR, estimated Glomerular filtration rate calculated using the MDRD formula; STEMI, ST elevation myocardial infarction; nSTEMI, non-ST elevation myocardial infarction; ACEI, angiotensin converting enzyme inhibitor; ARB, angiotensin receptor blocker

§ any of angina/ myocardial Infarction; / percutaneous Intervention (PCI)/ coronary artery bypass grafting (CABG)

Supplementary Table 3A: Multivariate association of clinical variables with 30-day, 1-year, and total mortality subject to survival to discharge. Data are hazard ratio (95% confidence intervals)

N= 3792	Mortality, N (%)		
	30 days 106(2.80)	1 Year 363(9.60)	All 726(19.10)
Admission Demographics			
Gender (Female vs Male)	0.848 (0.467, 1.538)	1.026 (0.774, 1.360)	1.113 (0.912, 1.358)
Age (year)	1.077 (1.040,1.115)	1.058 (1.042, 1.075)	1.071 (1.059, 1.083)
SBP (mmHg)	0.981(0.971, 0.990)	0.994 (0.989, 0.998)	0.996 (0.993, 0.999)
Heart Rate (beat/min)	0.998 (0.987,1.008)	1.004 (1.000, 1.009)	1.007 (1.004, 1.010)
Admission plasma glucose (mmol/L)	1.095 (1.047,1.146)	1.046 (1.017,1.077)	1.042 (1.021, 1.064)
eGFR (mL/min)	0.994 (0.977, 1.011)	0.978 (0.970, 0.987)	0.985 (0.980, 0.991)
nSTEMI vs STEMI	0.253 (0.125, 0.512)	0.643 (0.486, 0.852)	0.826 (0.679, 1.005)
Year of Admission	0.826 (0.701, 0.974)	0.956 (0.887, 1.030)	0.926 (0.873, 0.981)
Ethnicity			
(South Asian vs White European)	2.021 (0.932, 4.384)	1.118 (0.760, 1.643)	0.950 (0.718, 1.258)
Medical History (Yes vs No)			
Smoking	1.722 (0.934, 3.177)	0.949 (0.710, 1.270)	0.920 (0.752, 1.124)
Prior Diabetes	0.638 (0.313, 1.303)	0.907 (0.656, 1.255)	1.080 (0.860, 1.356)
Prior Coronary Heart Disease §	1.093 (0.467, 2.560)	1.117 (0.751, 1.661)	1.328 (1.015, 1.738)
Prior Hypertension	1.836 (0.985, 3.421)	1.152 (0.868, 1.529)	1.112 (0.914, 1.354)
Pre -Admission Medication (Yes vs No)			
Aspirin	0.951 (0.509, 1.778)	1.088 (0.810, 1.462)	1.086 (0.883, 1.336)
Beta Blocker	1.707 (0.929, 3.136)	1.403 (1.045, 1.883)	1.127 (0.913, 1.392)
Statin	0.961 (0.463, 1.997)	0.974 (0.699, 1.358)	0.992 (0.782, 1.258)
ACEI or ARB	0.685 (0.351, 1.339)	1.059 (0.784, 1.429)	1.093 (0.883, 1.353)
Admission treatment (Yes vs No)			
Loop Diuretic	1.029 (0.568,1.867)	1.598 (1.172, 2.179)	1.484 (1.203, 1.830)
Discharge Medication (Yes vs No)			
Aspirin	0.543 (0.235,1.256)	1.027 (0.702, 1.503)	1.228 (0.925, 1.631)
Beta Blocker	0.357 (0.167, 0.763)	0.730 (0.529, 1.007)	0.795 (0.633, 0.997)
Statin	1.191 (0.448, 3.170)	0.844 (0.574, 1.240)	0.712 (0.542, 0.935)
ACEI or ARB	0.425 (0.176, 1.027)	0.673 (0.475, 0.955)	0.955 (0.734, 1.243)

SBP, Systolic blood pressure; eGFR, estimated Glomerular filtration rate calculated using the MDRD formula; STEMI, ST elevation myocardial infarction; nSTEMI, non-ST elevation myocardial infarction; ACEI, angiotensin converting enzyme inhibitor; ARB, angiotensin receptor blocker

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