

**Supplemental Table 1. Fully adjusted ORs for significant early mortality predictors within 28, 90, and 365 days after MI with additional adjustment for peri-MI PCI and peri-MI CABG.**

Covariate	Early Mortality		
	28 day	90 day	365 day
	OR (95%CI)	OR (95%CI)	OR (95%CI)
Age at MI (per year)	1.03 (1.01 – 1.04)*	1.03 (1.02 – 1.04)*	1.03 (1.02 – 1.04)*
History of:			
Hypertension	1.84 (1.05 – 3.22)*	1.31 (0.81 – 2.13)	1.13 (0.75 – 1.69)
Anti-hypertensive medication	0.98 (0.64 – 1.49)	1.30 (0.89 – 1.90)	1.47 (1.05 – 2.05)*
Statin medication	0.93 (0.65 – 1.35)	0.74 (0.53 – 1.03)	0.66 (0.49 – 0.88)*
Peri-MI PCI	1.02 (0.68 – 1.52)	0.87 (0.60 – 1.24)	0.71 (0.52 – 0.98)*
METs category (Reference: <6)			
6-9	0.83 (0.59 – 1.17)	0.80 (0.60 – 1.06)	0.79 (0.62 – 1.01)
10-11	0.56 (0.35 – 0.88)*	0.46 (0.31 – 0.69)*	0.46 (0.33 – 0.65)*
≥12	0.55 (0.26 – 1.16)	0.40 (0.20 – 0.81)*	0.49 (0.29 – 0.84)*
METs achieved (continuous)	0.92 (0.87 – 0.98)*	0.90 (0.86 – 0.95)*	0.91 (0.87 – 0.95)*

Covariates included in model not reaching statistical significance: gender, race, stress test indication; baseline smoking status, history of coronary artery disease, diabetes, obesity, atrial fibrillation; baseline use of aspirin, beta blockers, COPD medication; year of MI, and peri-MI CABG. \*p<0.05. OR=odds ratio, CI=confidence interval, MI = myocardial infarction, METs = metabolic equivalents, PCI = percutaneous coronary intervention, CABG = coronary artery bypass graft.

**Supplemental Table 2. Fully adjusted ORs for significant early mortality predictors within 28, 90, and 365 days after MI with additional adjustment for interaction of age and exercise capacity.**

Covariate	Early Mortality		
	28 day	90 day	365 day
	OR (95%CI)	OR (95%CI)	OR (95%CI)
Age at MI (per year)	1.03 (1.01 – 1.06)*	1.02 (1.01 – 1.05)*	1.03 (1.02 – 1.04)*
History of:			
Hypertension	1.84 (1.05 – 3.22)*	1.31 (0.81 – 2.12)	1.13 (0.75 – 1.69)
Anti-hypertensive medication	0.97 (0.63 – 1.49)	1.30 (0.89 – 1.89)	1.46 (1.04 – 2.03)*
Statin medication	0.91 (0.62 – 1.32)	0.73 (0.52 – 1.02)	0.65 (0.49 – 0.86)*
METs category (Reference: <6)			
6-9	0.82 (0.58 – 1.17)	0.76 (0.58 – 1.06)	0.77 (0.60 – 1.00)
10-11	0.55 (0.35 – 0.88)*	0.46 (0.31 – 0.68)*	0.46 (0.33 – 0.64)*
≥12	0.55 (0.25 – 1.19)	0.42 (0.20 – 0.86)*	0.49 (0.28 – 0.86)*
METs achieved (continuous)	0.92 (0.87 – 0.98)*	0.90 (0.86 – 0.94)*	0.90 (0.87 – 0.94)*

Covariates included in model not reaching statistical significance: gender, race, stress test indication; baseline smoking status, history of coronary artery disease, diabetes, obesity, atrial fibrillation; baseline use of aspirin, beta blockers, COPD medication; year of MI, and interaction term of age and exercise capacity. \*p<0.05. OR=odds ratio, CI=confidence interval, MI = myocardial infarction, METs = metabolic equivalents.

**Supplemental Table 3. Fully adjusted ORs for significant early mortality predictors within 28, 90, and 365 days after MI excluding individuals with history of coronary artery disease at baseline.**

Covariate	Early Mortality		
	28 day	90 day	365 day
	OR (95%CI)	OR (95%CI)	OR (95%CI)
Age at MI (per year)	1.03 (1.01 – 1.04)*	1.03 (1.02 – 1.04)*	1.03 (1.02 – 1.04)*
History of:			
Hypertension	1.88 (1.06 – 3.36)*	1.41 (0.85 – 2.33)	1.12 (0.75 – 1.69)
Anti-hypertensive medication	0.97 (0.63 – 1.50)	1.28 (0.87 – 1.89)	1.48 (1.06 – 2.06)*
Statin medication	0.87 (0.58 – 1.31)	0.69 (0.48 – 1.01)	0.67 (0.51 – 0.90)*
METs category (Reference: <6)			
6-9	0.77 (0.54 – 1.11)	0.77 (0.57 – 1.05)	0.76 (0.58 – 0.99)*
10-11	0.56 (0.35 – 0.91)*	0.47 (0.31 – 0.71)*	0.46 (0.33 – 0.66)*
≥12	0.55 (0.26 – 1.17)	0.42 (0.21 – 0.84)*	0.49 (0.29 – 0.85)*
METs achieved (continuous)	0.92 (0.87 – 0.98)*	0.90 (0.86 – 0.95)*	0.91 (0.87 – 0.95)*

Covariates included in model not reaching statistical significance: gender, race, stress test indication; baseline smoking status, history of diabetes, obesity, atrial fibrillation; baseline use of aspirin, beta blockers, COPD medication, and year of MI. \*p<0.05. OR=odds ratio, CI=confidence interval, MI = myocardial infarction, METs = metabolic equivalents.

**Supplemental Table 4. Fully adjusted ORs for significant early mortality predictors within 28, 90, and 365 days after MI with additional adjustment for PCI or CABG occurring between baseline and incident MI.**

Covariate	Early Mortality		
	28 day	90 day	365 day
	OR (95%CI)	OR (95%CI)	OR (95%CI)
Age at MI (per year)	1.03 (1.01 – 1.04)*	1.03 (1.02 – 1.04)*	1.03 (1.02 – 1.04)*
History of:			
Hypertension	1.82 (1.04 – 3.20)*	1.30 (0.81 – 2.11)	1.12 (0.74 – 1.68)
Anti-hypertensive medication	0.98 (0.64 – 1.50)	1.31 (0.89 – 1.91)	1.47 (1.05 – 2.05)*
Statin medication	0.90 (0.62 – 1.31)	0.74 (0.53 – 1.03)	0.65 (0.49 – 0.86)*
METs category (Reference: <6)			
6-9	0.82 (0.58 – 1.15)	0.79 (0.59 – 1.06)	0.76 (0.60 – 1.00)
10-11	0.55 (0.35 – 0.88)*	0.45 (0.30 – 0.68)*	0.45 (0.33 – 0.63)*
≥12	0.56 (0.27 – 1.19)	0.41 (0.20 – 0.81)*	0.49 (0.28 – 0.83)*
METs achieved (continuous)	0.92 (0.87 – 0.98)*	0.90 (0.86 – 0.95)*	0.90 (0.87 – 0.94)*

Covariates included in model not reaching statistical significance: gender, race, stress test indication; baseline smoking status, history of coronary artery disease, diabetes, obesity, atrial fibrillation; baseline use of aspirin, beta blockers, COPD medication; year of MI, PCI between baseline and incident MI, and CABG between baseline and incident MI. \*p<0.05. OR=odds ratio, CI=confidence interval, MI = myocardial infarction, METs = metabolic equivalents, PCI = percutaneous coronary intervention, CABG = coronary artery bypass graft.