

Appendix table 1. Adjusted odds ratios of factors associated with emotional distress.

	Some ED vs no ED ^a 2 month post MI Imputed, adjusted ORs (95 % CI) N= 36,715	Some ED vs no ED ^a 12 month post MI Imputed, adjusted ORs (95 % CI) N= 33,327	Persistent vs Remittent ED ^b Imputed, adjusted ORs (95% CI) N=11,072
Sociodemographics			
Age (increase by 5 years)	0.86 (0.85, 0.88)	0.86 (0.84, 0.87)	0.93 (0.90, 0.96)
Female (vs Male)	2.30 (2.18, 2.42)	2.18 (2.07, 2.30)	1.55 (1.43, 1.69)
Employment			
Retired (vs Employed)	1.09 (1.03, 1.17)	1.31 (1.22, 1.41)	1.33 (1.19, 1.49)
Other (vs Employed)	1.65 (1.50, 1.82)	1.96 (1.76, 2.18)	1.82 (1.55, 2.14)
Country of birth			
Nordic countries (vs Sweden)	1.07 (0.96, 1.20)	0.96 (0.86, 1.08)	1.00 (0.83, 1.20)
Rest of the world (vs Sweden)	2.00 (1.85, 2.17)	1.95 (1.80, 2.12)	1.53 (1.34, 1.75)
Smoking			
Current (vs never)	1.37 (1.30, 1.46)	1.33 (1.25, 1.42)	1.14 (1.03, 1.26)
Former (vs never)	1.11 (1.05, 1.17)	1.09 (1.02, 1.15)	0.99 (0.90, 1.10)

Medical history

Diabetes (yes vs no)	1.08 (1.01, 1.16)	1.10 (1.02, 1.18)	1.11 (0.99, 1.25)
Hypertension (yes vs no)	1.10 (1.04, 1.15)	1.08 (1.02, 1.14)	1.03 (0.94, 1.12)
Stroke (yes vs no)	1.09 (0.97, 1.22)	1.22 (1.07, 1.38)	1.34 (1.07, 1.66)
Hyperlipidemia (yes vs no)	1.12 (1.05, 1.19)	1.10 (1.03, 1.18)	1.06 (0.95, 1.18)

Psychiatric history (diagnosis of)

Depression/anxiety ^c (yes vs no)	3.52 (3.02, 4.10)	3.34 (2.84, 3.93)	2.19 (1.77, 2.72)
Schizophrenia and similar ^{c,d} (yes vs no)	1.00 (0.67, 1.51)	1.10 (0.68, 1.77)	1.47 (0.65, 3.34)
Substance abuse ^c (yes vs no)	1.07 (0.98, 1.17)	1.09 (0.99, 1.21)	1.18 (1.01, 1.38)

Cardiac status

Killip class at admission

Class II-IV (vs Class I)	0.98 (0.90, 1.07)	1.12 (1.03, 1.23)	1.08 (0.93, 1.25)
Chest pain at admission (yes vs no)	1.01 (0.91, 1.12)	1.05 (0.94, 1.18)	1.00 (0.83, 1.20)
Dyspnea at admission (yes vs no)	0.98 (0.83, 1.15)	0.94 (0.79, 1.13)	0.95 (0.71, 1.27)
Cardiac arrest at admission (yes vs no)	0.96 (0.76, 1.22)	0.95 (0.74, 1.23)	1.12 (0.74, 1.71)
Heart rate at admission (per +10 bpm)	1.01 (1.00, 1.02)	1.01 (1.00, 1.02)	1.00 (0.98, 1.02)
Atrial fibrillation at discharge (yes vs no)	1.02 (0.87, 1.20)	1.01 (0.85, 1.21)	0.91 (0.68, 1.21)
LVEF at discharge			

<50% (vs normal ≥50%)	1.03 (0.98, 1.09)	1.11 (1.05, 1.17)	1.14 (1.04, 1.26)
Not measured	1.00 (0.94, 1.07)	1.01 (0.94, 1.08)	0.99 (0.88, 1.11)
Complication during intake ^e (yes vs no)	1.15 (0.96, 1.37)	1.15 (0.95, 1.38)	0.98 (0.73, 1.31)
Hospital and cardiac care			
Teaching hospital (yes vs no)	1.13 (1.06, 1.19)	1.05 (0.99, 1.12)	1.00 (0.91, 1.11)
Hospital size			
Medium (vs small)	1.10 (1.02, 1.18)	1.02 (0.94, 1.11)	0.96 (0.85, 1.10)
Large (vs small)	1.21 (1.12, 1.31)	1.17 (1.08, 1.27)	1.13 (0.99, 1.29)
Interventions			
CABG (vs no treatment)	0.77 (0.67, 0.87)	0.82 (0.72, 0.93)	0.84 (0.67, 1.05)
PCI (vs no treatment)	0.91 (0.85, 0.97)	0.99 (0.93, 1.07)	1.08 (0.97, 1.21)
Thrombolytics (vs no treatment)	1.05 (0.78, 1.42)	0.70 (0.50, 0.99)	0.79 (0.49, 1.30)
Cardiac medication coverage ^f			
≤2/4 medications (vs 4/4)	1.10 (1.00, 1.20)	1.07 (0.97, 1.19)	1.27 (1.07, 1.51)
¾ medications (vs 4/4)	1.03 (0.98, 1.09)	1.05 (0.99, 1.11)	1.09 (0.99, 1.19)
Length of hospital stay			
3-5 days (vs 0 - 2 days)	1.17 (1.09, 1.25)	1.04 (0.96, 1.12)	1.06 (0.94, 1.20)
6 days or more (vs 0 - 2 days)	1.31 (1.21, 1.42)	1.23 (1.12, 1.34)	1.13 (0.98, 1.30)

Readmission CV event ^g (yes vs no)	2.01 (1.85, 2.20)	1.50 (1.36, 1.66)	1.06 (0.93, 1.21)
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Fully adjusted models utilizing logistic regression models were imputed missing values on the exposure variables were based on chained equations and predictive mean matching. ^aSome emotional distress (ED) corresponds to response category 2 and 3 and no ED corresponds to response category 1 in the EuroQol-5D item pertaining to ED. ^bPersistent ED corresponds to some ED at both 2 and 12 months, remittent ED corresponds to some ED at 2 months only. ^cWithin 6 month prior to MI. ^dICD codes F20-29. ^eBleeding and/or cardiogenic shock. ^f1) beta blockers, 2) statins, 3) other lipid lowering drugs, and 4) angiotensin converting enzyme inhibitor or angiotensin II receptor blockers. ^gDuring the first 30 days.