

SUPPLEMENTAL MATERIAL

Supplemental Table 1. Baseline sample characteristics, by country

Characteristics	US (N=2985)	Spain (N=516)	Australia (N=71)
Sociodemographic characteristics			
Age, median (IQR) (range)	48 (44 - 52) (range: 18 - 55)	47 (42 - 51) (range: 20 - 55)	48 (44 - 51) (range: 32 - 55)
Age, %			
18-34 years	136 (4.6%)	28 (5.4%)	1 (1.4%)
35-44 years	716 (24.0%)	159 (30.8%)	17 (23.9%)
45-55 years	2133 (71.5%)	329 (63.8%)	53 (74.6%)
Race			
White	2259 (75.8%)	483 (94.0%)	58 (81.7%)
Black	535 (17.9%)	15 (2.9%)	4 (5.6%)
Other	187 (6.3%)	16 (3.1%)	9 (12.7%)
Education			
Less than high school	58 (2.0%)	127 (26.8%)	0 (0.0%)
High school	1223 (41.3%)	194 (40.9%)	42 (60.0%)
More than high school	1679 (56.7%)	153 (32.3%)	28 (40.0%)
Marital status			
Married/living with a partner as if married	1661 (55.8%)	368 (72.4%)	40 (57.1%)
Not married	1318 (44.2%)	140 (27.6%)	30 (42.9%)
Baseline health status			
Diabetes mellitus	1062 (35.6%)	157 (30.4%)	27 (38.0%)
Hypertension	1980 (66.3%)	237 (45.9%)	43 (60.6%)
Hypercholesterolemia	2588 (86.7%)	414 (80.2%)	60 (84.5%)
Chronic lung disease	347 (11.6%)	12 (2.3%)	4 (5.6%)
Chronic renal dysfunction	339 (11.4%)	23 (4.5%)	5 (7.0%)
Depression	964 (33.6%)	150 (30.5%)	17 (25.0%)
History of cancer	105 (3.5%)	13 (2.5%)	1 (1.4%)
History of cardiovascular condition			
Prior acute myocardial infarction (AMI)	512 (17.2%)	31 (6.0%)	10 (14.1%)
Prior coronary artery bypass graft	116 (3.9%)	2 (0.4%)	2 (2.8%)
Prior percutaneous coronary intervention	489 (16.4%)	19 (3.7%)	8 (11.3%)
Prior peripheral artery disease	74 (2.5%)	5 (1.0%)	1 (1.4%)
Prior angina pectoris	805 (27.0%)	141 (27.4%)	20 (28.2%)
History of congestive heart failure	140 (4.7%)	1 (0.2%)	0 (0.0%)
Prior stroke	141 (4.7%)	6 (1.2%)	0 (0.0%)
Prior valve surgery	22 (0.7%)	1 (0.2%)	0 (0.0%)
SF-12 physical component summary (PCS) score, median (IQR)	44.8 (33.9 - 53.2)	52.3 (43.1 - 56.4)	43.2 (34.5 - 53.5)
SF-12 mental component summary (MCS)	47.2 (36.6 - 55.3)	45.4 (35.3 - 56.3)	51.1 (41.0 - 57.3)

score, median (IQR)			
History of smoke			
Never smoked	748 (25.1%)	60 (11.7%)	10 (14.1%)
Current smoker	1626 (54.6%)	362 (70.3%)	46 (64.8%)
Past smoker (>1month and <1year)	127 (4.3%)	31 (6.0%)	5 (7.0%)
Past smoker (>1year)	478 (16.0%)	62 (12.0%)	10 (14.1%)
Body mass index, median (IQR)	30.4 (26.4 - 35.7)	26.8 (24.0 - 30.0)	30.6 (26.6 - 34.6)
AMI presentation			
STEMI	1485 (49.7%)	326 (63.2%)	49 (69.0%)
Cardiogenic shock upon hospital admission	13 (0.5%)	8 (1.6%)	0 (0.0%)
Peak troponin during index hospital stay	6.9 (1.5 - 27.3)	10.0 (2.5 - 40.0)	0.4 (0.2 - 1.3)
Ejection fraction <40%	322 (11.1%)	46 (9.1%)	2 (3.9%)
GRACE risk score >99	284 (9.7%)	12 (2.4%)	3 (4.8%)
Hemodynamic instability	231 (7.7%)	74 (14.3%)	4 (5.6%)
Length of hospital stay, median (range)	3 (0 - 61)	6 (0 - 61)	3 (2 - 28)
First heart rate measured, median (IQR)	82 (70 - 95)	78 (65 - 90)	80 (69 - 96)
First systolic blood pressure, median (IQR)	143 (125-162)	133 (114-155)	140 (120-160)
Present more than 6 hours after symptom onset	1323 (44.5%)	143 (27.8%)	29 (40.8%)
Low social support	411 (14.1%)	64 (12.8%)	9 (12.9%)

Statistics are reported as n (%) unless otherwise specified. GRACE = Global Registry of Acute Coronary Events; IQR = Interquartile Range; STEMI = ST-elevation myocardial infarction.

Supplemental Table 2. Sex differences in baseline perceived stress and one-month recovery, by country

	US (N=2985)		Spain (N=516)		Australia (N=71)	
	Men	Women	Men	Women	Men	Women
Baseline perceived stress scale (PSS-14) score	23.6 (9.1)	27.1 (9.9)	22.0 (8.3)	26.4 (9.7)	24.0 (9.2)	24.3 (10.4)
One-month recovery						
Improvement in angina frequency	4.9 (22.6)	5.7 (25.0)	3.9 (17.4)	0.7 (24.6)	3.5 (18.7)	0.3 (27.6)
Improvement in angina-related physical limitation	6.9 (23.2)	12.0 (28.9)	0.1 (20.1)	-5.9 (27.5)	2.6 (10.2)	3.9 (26.3)
Improvement in angina-related quality of life	12.8 (27.8)	12.2 (29.4)	10.4 (21.9)	2.4 (22.9)	16.3 (27.6)	6.3 (30.0)
Improvement in SF-12 PCS score	-1.6 (11.9)	-1.8 (11.5)	-2.4 (10.3)	-5.5 (11.6)	3.6 (12.7)	0.1 (12.3)
Improvement in SF-12 MCS score	3.8 (11.7)	3.9 (12.7)	6.0 (12.3)	3.7 (14.1)	2.3 (11.5)	-3.4 (10.5)
Improvement in EQ-5D utility index score	0.1 (0.2)	0.1 (0.2)	0.027 (0.2)	-0.002 (0.2)	0.1 (0.2)	0.1 (0.3)
Improvement in EQ-5D visual analog scale	7.8 (21.1)	7.2 (23.4)	1.8 (21.4)	-2.8 (23.7)	12.8 (21.6)	13.2 (26.2)

Statistics are reported as mean (standard deviation). PCS = physical component summary; MCS = mental component summary; EQ-5D = Euro-Qol

Supplemental Table 3. Sex differences in perceived stress scale (PSS-14)

		Total (N=3,572)	Male (N=1,175)	Female (N=2,397)	P- value
PSS-14 score	Mean (SD)	25.8 (9.7)	23.4 (9.0)	27.0 (9.9)	<.0001
Score of positive items	Mean (SD)	10.7 (5.1)	9.9 (4.8)	11.1 (5.2)	<.0001
Score of negative items	Mean (SD)	15.1 (6.0)	13.5 (5.7)	15.9 (6.0)	<.0001
			N (%)	N (%)	
1. In the last month, how often have you been upset because of something that happened unexpectedly	Never	368 (10.4%)	154 (13.3%)	214 (9.0%)	
	Almost never	581 (16.4%)	242 (20.8%)	339 (14.2%)	
	Sometimes	1292 (36.5%)	455 (39.2%)	837 (35.2%)	
	Fairly often	736 (20.8%)	205 (17.6%)	531 (22.3%)	
	Very often	564 (15.9%)	106 (9.1%)	458 (19.3%)	
2. In the last month, how often have you felt that you were unable to control the important things in your life	Never	670 (19.0%)	279 (24.0%)	391 (16.5%)	
	Almost never	617 (17.5%)	259 (22.3%)	358 (15.1%)	
	Sometimes	1103 (31.2%)	355 (30.6%)	748 (31.5%)	
	Fairly often	632 (17.9%)	163 (14.0%)	469 (19.8%)	
	Very often	512 (14.5%)	105 (9.0%)	407 (17.2%)	
3. In the last month, how often have you felt nervous and “stressed”	Never	270 (7.6%)	126 (10.9%)	144 (6.1%)	
	Almost never	393 (11.1%)	165 (14.2%)	228 (9.6%)	
	Sometimes	1069 (30.3%)	410 (35.3%)	659 (27.8%)	
	Fairly often	905 (25.6%)	276 (23.8%)	629 (26.5%)	
	Very often	893 (25.3%)	183 (15.8%)	710 (30.0%)	
4. In the last month, how often have you dealt successfully with irritating life hassles	Never	144 (4.1%)	42 (3.6%)	102 (4.3%)	
	Almost never	361 (10.3%)	119 (10.3%)	242 (10.3%)	
	Sometimes	1144 (32.6%)	370 (32.1%)	774 (32.9%)	
	Fairly often	1145 (32.6%)	402 (34.9%)	743 (31.5%)	
	Very often	715 (20.4%)	220 (19.1%)	495 (21.0%)	
5. In the last month, how often have you felt that you were effectively coping with important changes that were occurring in your life	Never	168 (4.8%)	57 (4.9%)	111 (4.7%)	
	Almost never	371 (10.6%)	105 (9.1%)	266 (11.3%)	
	Sometimes	1104 (31.4%)	351 (30.4%)	753 (31.9%)	
	Fairly often	1152 (32.8%)	413 (35.8%)	739 (31.3%)	
	Very often	716 (20.4%)	227 (19.7%)	489 (20.7%)	
6. In the last month, how often have you felt confident in your ability to handle your personal problems	Never	98 (2.8%)	26 (2.3%)	72 (3.1%)	
	Almost never	273 (7.8%)	65 (5.7%)	208 (8.8%)	
	Sometimes	850 (24.2%)	232 (20.2%)	618 (26.2%)	
	Fairly often	1195 (34.1%)	413 (35.9%)	782 (33.1%)	
	Very often	1092 (31.1%)	413 (35.9%)	679 (28.8%)	
7. In the last month, how	Never	319 (9.1%)	77 (6.7%)	242 (10.2%)	

often have you felt that things were going your way	Almost never	598 (17.0%)	165 (14.4%)	433 (18.3%)
	Sometimes	1322 (37.6%)	422 (36.8%)	900 (38.1%)
	Fairly often	843 (24.0%)	323 (28.1%)	520 (22.0%)
	Very often	431 (12.3%)	161 (14.0%)	270 (11.4%)
8. In the last month, how often have you found that you could not cope with all of the things that you had to do	Never	596 (16.9%)	272 (23.5%)	324 (13.7%)
	Almost never	849 (24.1%)	331 (28.6%)	518 (21.9%)
	Sometimes	1213 (34.5%)	346 (29.9%)	867 (36.7%)
	Fairly often	549 (15.6%)	141 (12.2%)	408 (17.3%)
	Very often	313 (8.9%)	68 (5.9%)	245 (10.4%)
9. In the last month, how often have you been able to control the irritations in your life	Never	190 (5.4%)	47 (4.1%)	143 (6.1%)
	Almost never	428 (12.2%)	106 (9.2%)	322 (13.7%)
	Sometimes	1251 (35.7%)	374 (32.5%)	877 (37.3%)
	Fairly often	1081 (30.9%)	395 (34.3%)	686 (29.2%)
	Very often	553 (15.8%)	228 (19.8%)	325 (13.8%)
10. In the last month, how often have you felt that you were on top of things	Never	214 (6.1%)	49 (4.3%)	165 (7.0%)
	Almost never	512 (14.6%)	130 (11.3%)	382 (16.2%)
	Sometimes	1148 (32.7%)	344 (30.0%)	804 (34.0%)
	Fairly often	1058 (30.2%)	399 (34.8%)	659 (27.9%)
	Very often	576 (16.4%)	224 (19.5%)	352 (14.9%)
11. In the last month, how often have you been angered because of things that happened that were outside of your control	Never	348 (9.9%)	142 (12.3%)	206 (8.8%)
	Almost never	627 (17.9%)	251 (21.7%)	376 (16.0%)
	Sometimes	1275 (36.3%)	404 (35.0%)	871 (37.0%)
	Fairly often	738 (21.0%)	243 (21.0%)	495 (21.0%)
	Very often	521 (14.8%)	115 (10.0%)	406 (17.2%)
12. In the last month, how often have you found yourself thinking of things that you have to accomplish	Never	167 (4.8%)	49 (4.3%)	118 (5.1%)
	Almost never	227 (6.5%)	87 (7.6%)	140 (6.0%)
	Sometimes	837 (24.1%)	268 (23.4%)	569 (24.4%)
	Fairly often	1031 (29.7%)	378 (33.1%)	653 (28.0%)
	Very often	1214 (34.9%)	361 (31.6%)	853 (36.6%)
13. In the last month, how often have you been able to control the way you spend your time	Never	164 (4.7%)	40 (3.5%)	124 (5.3%)
	Almost never	416 (11.9%)	108 (9.4%)	308 (13.1%)
	Sometimes	1050 (30.1%)	345 (30.2%)	705 (30.1%)
	Fairly often	1144 (32.8%)	403 (35.2%)	741 (31.6%)
	Very often	713 (20.4%)	248 (21.7%)	465 (19.8%)
14. In the last month, how often have you felt difficulties were piling up so high that you could not overcome them	Never	695 (19.8%)	295 (25.5%)	400 (17.0%)
	Almost never	783 (22.3%)	303 (26.2%)	480 (20.4%)
	Sometimes	1025 (29.2%)	294 (25.4%)	731 (31.1%)
	Fairly often	529 (15.1%)	157 (13.6%)	372 (15.8%)
	Very often	475 (13.5%)	107 (9.3%)	368 (15.7%)

SD = standard deviation

Supplemental Table 4. Multivariable linear regression model for perceived stress scale (PSS-14) score at baseline

Patient characteristics	Coefficient	95% CI		Pr > ChiSq
Intercept	40.73	37.70	43.77	<.0001
Female (versus male)	0.72	0.13	1.30	0.016
Age				
18-34 years (versus 45-55 years)	2.14	0.91	3.37	0.001
35-44 years (versus 45-55 years)	0.67	0.06	1.27	0.030
Race				
Black (versus white)	-0.68	-1.43	0.08	0.080
Other (versus white)	-0.84	-1.93	0.25	0.129
Education				
High school (versus < high school)	1.57	0.31	2.84	0.015
More than high school (versus < high school)	1.61	0.33	2.89	0.014
Not married (versus Married/living with a partner as if married)	-1.07	-1.64	-0.50	0.000
History of smoking				
Current smoker (versus never smoked)	-0.27	-0.94	0.39	0.419
Past smoker (>1 mo and <1 yr) (versus never smoked)	-0.63	-1.96	0.70	0.352
Past smoker (>1 yr) (versus never smoked)	-0.73	-1.56	0.10	0.086
Body mass index (BMI)	-0.01	-0.05	0.02	0.420
Diabetes mellitus	-0.44	-1.01	0.12	0.124
Hypertension	0.14	-0.43	0.71	0.637
Hypercholesterolemia	0.40	-0.35	1.15	0.298
Chronic lung disease	0.24	-0.64	1.11	0.593
Chronic renal dysfunction	0.07	-0.78	0.92	0.867
Depression	3.98	3.31	4.66	<.0001
History of cancer	-1.09	-2.46	0.28	0.118
Prior acute myocardial infarction (AMI)	0.71	-0.31	1.73	0.174
Prior coronary artery bypass graft (CABG)	-0.81	-2.29	0.68	0.287
Prior percutaneous coronary intervention (PCI)	-0.63	-1.66	0.41	0.234
Prior peripheral artery disease (PAD)	-1.42	-3.21	0.36	0.119
Prior angina pectoris	0.31	-0.40	1.01	0.393
History of congestive heart failure (CHF)	-0.53	-1.88	0.82	0.439
Prior stroke	0.43	-0.93	1.79	0.531
Prior valve surgery	-1.65	-4.75	1.44	0.295
SF-12 physical component summary (PCS) score	-0.08	-0.11	-0.06	<.0001
SF-12 mental component summary (MCS) score	-0.36	-0.39	-0.34	<.0001
Low social support	1.80	1.03	2.57	<.0001
Stressful life events during past year				

Marital separation/Divorce/Break-up of long-term relationship	1.09	0.27	1.91	0.009
Loss of job (fired)/Forced retirement	0.12	-0.58	0.82	0.738
Loss of crop/Business failure	1.19	-0.04	2.41	0.058
Violence/Victim of a crime	-0.01	-1.17	1.15	0.985
Major intra-family conflict	1.92	1.33	2.51	<.0001
Major personal injury or illness (other than your heart problem)	0.04	-0.63	0.71	0.912
Death/Major illness of a close family member	0.09	-0.45	0.63	0.738
Death of a spouse	0.18	-2.37	2.72	0.892
Number of children living in household				
1-2 (versus 0)	0.89	0.33	1.44	0.002
≥ 3 (versus 0)	1.16	0.26	2.05	0.011
Number of grandchildren living in household ≥ 1 (versus 0)	0.83	-0.27	1.93	0.137
Number of parents living in household ≥ 1 (versus 0)	0.65	-0.33	1.63	0.193
Finance at the end of the month				
Just enough to make ends meet (versus some money left over)	1.56	0.92	2.19	<.0001
Not enough to make ends meet (versus some money left over)	3.25	2.50	4.00	<.0001
Number of jobs ≥ 2 (versus 0-1)	0.22	-0.86	1.31	0.686
Employment status				
Not working for pay (versus working 35-55 hours/week)	-1.25	-1.93	-0.57	0.000
Working part time (<35 hours/week) (versus working 35-55 hours/week)	-0.49	-1.29	0.31	0.233
Working full time with extended hours (>55 hours/week) (versus working 35-55 hours/week)	0.91	-0.12	1.94	0.084
Country				
Spain (versus US)	-1.15	-2.02	-0.27	0.010
Australia (versus US)	0.81	-1.04	2.65	0.390

CI = confidence interval

Supplemental Table 5. Multivariable linear regression model for change in angina frequency at one-month after acute myocardial infarction

Patient characteristics	Coefficient	95% CI		P-value
Intercept	77.10	63.93	90.27	<.0001
Female (versus male)	-1.00	-2.52	0.52	0.199
Baseline perceived stress				
Moderate (versus low)	-1.83	-3.47	-0.18	0.029
High (versus low)	-1.60	-3.57	0.37	0.112
Age				
18-34 years (versus 45-55 years)	-3.84	-7.32	-0.36	0.031
35-44 years (versus 45-55 years)	-2.38	-3.96	-0.79	0.003
Race				
Black (versus white)	-3.84	-5.88	-1.81	0.000
Other (versus white)	-2.49	-5.47	0.49	0.102
Education				
High school (versus < high school)	1.07	-2.28	4.43	0.530
More than high school (versus < high school)	1.37	-1.97	4.70	0.422
Not married (versus Married/living with a partner as if married)	-1.53	-2.95	-0.11	0.035
History of smoking				
Current smoker (versus never smoked)	-0.65	-2.41	1.11	0.467
Past smoker (>1 mo and <1 yr) (versus never smoked)	-1.18	-4.72	2.35	0.512
Past smoker (>1 yr) (versus never smoked)	-0.44	-2.70	1.81	0.701
Body mass index (BMI)	0.06	-0.03	0.15	0.175
Diabetes mellitus	-0.81	-2.35	0.73	0.303
Hypertension	2.30	0.79	3.81	0.003
Hypercholesterolemia	0.93	-1.05	2.91	0.359
Chronic lung disease	-0.42	-2.73	1.90	0.725
Chronic renal dysfunction	0.30	-2.04	2.64	0.801
Depression	-4.10	-5.82	-2.39	<.0001
History of cancer	-2.28	-6.07	1.52	0.240
Prior acute myocardial infarction (AMI)	-0.03	-2.87	2.81	0.985
Prior coronary artery bypass graft (CABG)	-2.85	-7.02	1.32	0.180
Prior percutaneous coronary intervention (PCI)	-0.22	-3.06	2.62	0.879
Prior peripheral artery disease (PAD)	3.44	-1.43	8.31	0.166
Prior angina pectoris	-1.26	-3.18	0.65	0.196
History of congestive heart failure (CHF)	-0.42	-4.51	3.67	0.842
Prior stroke	-0.81	-4.34	2.73	0.654
Prior valve surgery	6.10	-2.93	15.13	0.185
STEMI	1.38	-0.13	2.89	0.073
Cardiogenic shock upon hospital admission	1.36	-7.01	9.74	0.750

Peak troponin during index hospital stay	0.00	-0.01	0.01	0.591
Ejection fraction <40%	0.20	-2.10	2.49	0.866
GRACE risk score >99	-0.52	-3.46	2.42	0.729
Hemodynamic instability	2.18	-0.34	4.70	0.089
Length of stay during index hospitalization	-0.02	-0.20	0.17	0.855
Cardiac catheterization during index hospitalization	-4.10	-14.73	6.52	0.449
PCI during index hospitalization	1.23	-0.69	3.15	0.211
CABG during index hospitalization	5.05	2.06	8.03	0.001
Present more than 6 hours after symptom onset	1.03	-0.37	2.44	0.149
Percent of eligible quality of care indicators received	0.02	-0.03	0.08	0.420
Low social support	-2.38	-4.48	-0.28	0.027
Country				
Spain (versus US)	1.37	-1.01	3.74	0.259
Australia (versus US)	2.60	-3.84	9.04	0.428
Baseline angina frequency	-0.85	-0.89	-0.82	<.0001

CI = confidence interval; GRACE = Global Registry of Acute Coronary Events; STEMI = ST-elevation myocardial infarction

Supplemental Table 6. Multivariable linear regression model for change in angina-related physical limitation at one-month after acute myocardial infarction

Patient characteristics	Coefficient	95% CI		P-value
Intercept	68.12	53.50	82.75	<.0001
Female (versus male)	-1.71	-3.37	-0.06	0.042
Baseline perceived stress				
Moderate (versus low)	-1.28	-3.08	0.51	0.162
High (versus low)	-2.06	-4.20	0.09	0.060
Age				
18-34 years (versus 45-55 years)	-2.44	-6.23	1.35	0.208
35-44 years (versus 45-55 years)	-1.65	-3.39	0.09	0.063
Race				
Black (versus white)	-3.94	-6.18	-1.71	0.001
Other (versus white)	-2.41	-5.67	0.86	0.149
Education				
High school (versus < high school)	4.24	0.58	7.90	0.023
More than high school (versus < high school)	5.61	1.97	9.25	0.003
Not married (versus Married/living with a partner as if married)	-1.12	-2.66	0.43	0.157
History of smoking				
Current smoker (versus never smoked)	-0.10	-2.02	1.82	0.918
Past smoker (>1 mo and <1 yr) (versus never smoked)	-3.70	-7.64	0.23	0.065
Past smoker (>1 yr) (versus never smoked)	-0.60	-3.06	1.85	0.631
Body mass index (BMI)	0.00	-0.10	0.10	0.953
Diabetes mellitus	0.67	-1.01	2.35	0.434
Hypertension	0.75	-0.90	2.40	0.375
Hypercholesterolemia	-0.28	-2.44	1.88	0.798
Chronic lung disease	0.75	-1.81	3.32	0.565
Chronic renal dysfunction	-1.76	-4.33	0.81	0.179
Depression	-2.93	-4.82	-1.05	0.002
History of cancer	-0.78	-4.87	3.32	0.710
Prior acute myocardial infarction (AMI)	1.92	-1.20	5.04	0.227
Prior coronary artery bypass graft (CABG)	-4.42	-8.99	0.15	0.058
Prior percutaneous coronary intervention (PCI)	-3.24	-6.36	-0.13	0.041
Prior peripheral artery disease (PAD)	3.19	-2.19	8.56	0.245
Prior angina pectoris	-2.21	-4.28	-0.13	0.037
History of congestive heart failure (CHF)	3.18	-1.40	7.75	0.173
Prior stroke	0.35	-3.58	4.28	0.862
Prior valve surgery	-5.37	-15.03	4.30	0.277
STEMI	1.11	-0.53	2.75	0.186
Cardiogenic shock upon hospital admission	-3.75	-12.72	5.22	0.412

Peak troponin during index hospital stay	0.00	-0.01	0.01	0.864
Ejection Fraction <40%	1.28	-1.24	3.79	0.320
GRACE risk score >99	-0.95	-4.15	2.25	0.559
Hemodynamic instability	3.04	0.27	5.80	0.032
Length of stay during index hospitalization	-0.11	-0.31	0.09	0.282
Cardiac catheterization during index hospitalization	7.23	-4.75	19.20	0.237
PCI during index hospitalization	1.83	-0.26	3.92	0.086
CABG during index hospitalization	3.12	-0.08	6.33	0.056
Present more than 6 hours after symptom onset	0.13	-1.40	1.66	0.866
Percent of eligible quality of care indicators received	0.02	-0.04	0.08	0.599
Low social support	-3.27	-5.56	-0.98	0.005
Country				
Spain (versus US)	-9.71	-12.30	-7.13	<.0001
Australia (versus US)	0.25	-6.77	7.26	0.945
Baseline angina-related physical limitation	-0.83	-0.87	-0.80	<.0001

CI = confidence interval; GRACE = Global Registry of Acute Coronary Events; STEMI = ST-elevation myocardial infarction

Supplemental Table 7. Multivariable linear regression model for change in angina-related quality of life at one-month after acute myocardial infarction

Patient characteristics	Coefficient	95% CI		P-value
Intercept	48.07	31.16	64.98	<.0001
Female (versus male)	-3.63	-5.64	-1.62	0.000
Baseline perceived stress				
Moderate (versus low)	-3.50	-5.68	-1.33	0.002
High (versus low)	-4.09	-6.71	-1.46	0.002
Age				
18-34 years (versus 45-55 years)	-6.86	-11.45	-2.26	0.003
35-44 years (versus 45-55 years)	-3.68	-5.77	-1.58	0.001
Race				
Black (versus white)	-4.31	-7.01	-1.62	0.002
Other (versus white)	-2.46	-6.39	1.47	0.220
Education				
High school (versus < high school)	0.87	-3.55	5.29	0.701
More than high school (versus < high school)	2.56	-1.85	6.96	0.255
Not married (versus Married/living with a partner as if married)	-3.19	-5.06	-1.32	0.001
History of smoking				
Current smoker (versus never smoked)	-1.63	-3.95	0.69	0.169
Past smoker (>1 mo and <1 yr) (versus never smoked)	-4.22	-8.88	0.44	0.076
Past smoker (>1 yr) (versus never smoked)	-1.22	-4.19	1.75	0.420
Body mass index (BMI)	0.11	-0.01	0.23	0.078
Diabetes mellitus	-0.92	-2.95	1.12	0.376
Hypertension	1.40	-0.60	3.39	0.171
Hypercholesterolemia	1.92	-0.68	4.52	0.148
Chronic lung disease	-1.22	-4.27	1.83	0.431
Chronic renal dysfunction	2.01	-1.08	5.10	0.202
Depression	-6.15	-8.42	-3.88	<.0001
History of cancer	1.58	-3.43	6.60	0.536
Prior acute myocardial infarction (AMI)	1.57	-2.20	5.34	0.415
Prior coronary artery bypass graft (CABG)	-3.61	-9.20	1.97	0.205
Prior percutaneous coronary intervention (PCI)	-5.80	-9.57	-2.04	0.003
Prior peripheral artery disease (PAD)	2.74	-3.66	9.14	0.402
Prior angina pectoris	-0.99	-3.49	1.51	0.439
History of congestive heart failure (CHF)	0.21	-5.22	5.64	0.940
Prior stroke	-0.46	-5.17	4.24	0.847
Prior valve surgery	-4.08	-15.93	7.76	0.500
STEMI	1.05	-0.93	3.04	0.299
Cardiogenic shock upon hospital admission	5.81	-5.48	17.10	0.313

Peak troponin during index hospital stay	0.01	-0.01	0.02	0.474
Ejection Fraction <40%	-0.80	-3.85	2.25	0.608
GRACE risk score >99	-0.32	-4.19	3.56	0.873
Hemodynamic instability	1.32	-2.01	4.64	0.438
Length of stay during index hospitalization	-0.25	-0.50	-0.01	0.040
Cardiac catheterization during index hospitalization	9.26	-4.67	23.19	0.193
PCI during index hospitalization	1.31	-1.22	3.83	0.311
CABG during index hospitalization	9.69	5.78	13.59	<.0001
Present more than 6 hours after symptom onset	0.69	-1.16	2.54	0.464
Percent of eligible quality of care indicators received	0.02	-0.05	0.09	0.615
Low social support	-4.03	-6.81	-1.25	0.004
Country				
Spain (versus US)	-10.56	-13.71	-7.42	<.0001
Australia (versus US)	2.28	-6.17	10.72	0.597
Baseline angina-related quality of life	-0.75	-0.79	-0.71	<.0001

CI = confidence interval; GRACE = Global Registry of Acute Coronary Events; STEMI = ST-elevation myocardial infarction

Supplemental Table 8. Multivariable linear regression model for change in 12-item short-form health survey (SF-12) physical component summary score at one-month after acute myocardial infarction

Patient characteristics	Coefficient	95% CI		P-value
Intercept	25.21	17.63	32.79	<.0001
Female (versus male)	-2.18	-3.09	-1.26	<.0001
Baseline perceived stress				
Moderate (versus low)	-0.40	-1.39	0.58	0.420
High (versus low)	-0.93	-2.11	0.25	0.123
Age				
18-34 years (versus 45-55 years)	-0.32	-2.45	1.81	0.768
35-44 years (versus 45-55 years)	-1.00	-1.95	-0.05	0.039
Race				
Black (versus white)	-0.49	-1.72	0.73	0.430
Other (versus white)	-0.57	-2.37	1.24	0.538
Education				
High school (versus < high school)	2.11	0.09	4.13	0.041
More than high school (versus < high school)	2.24	0.22	4.26	0.030
Not married (versus Married/living with a partner as if married)	-1.18	-2.03	-0.33	0.007
History of smoking				
Current smoker (versus never smoked)	0.27	-0.79	1.33	0.620
Past smoker (>1 mo and <1 yr) (versus never smoked)	0.69	-1.44	2.82	0.527
Past smoker (>1 yr) (versus never smoked)	0.48	-0.88	1.84	0.492
Body mass index (BMI)	0.05	-0.01	0.11	0.083
Diabetes mellitus	-1.18	-2.11	-0.25	0.013
Hypertension	0.26	-0.65	1.17	0.573
Hypercholesterolemia	0.07	-1.12	1.26	0.904
Chronic lung disease	-1.84	-3.23	-0.46	0.009
Chronic renal dysfunction	-1.23	-2.64	0.19	0.089
Depression	-1.73	-2.77	-0.70	0.001
History of cancer	0.07	-2.14	2.27	0.952
Prior acute myocardial infarction (AMI)	-1.97	-3.68	-0.26	0.024
Prior coronary artery bypass graft (CABG)	-1.73	-4.17	0.72	0.167
Prior percutaneous coronary intervention (PCI)	-0.61	-2.30	1.08	0.480
Prior peripheral artery disease (PAD)	-2.25	-5.21	0.71	0.136
Prior angina pectoris	-0.54	-1.69	0.60	0.351
History of congestive heart failure (CHF)	0.55	-1.86	2.97	0.653
Prior stroke	-0.73	-2.87	1.41	0.504
Prior valve surgery	1.79	-3.29	6.87	0.490
STEMI	-0.03	-0.93	0.87	0.948

Cardiogenic shock upon hospital admission	-0.37	-5.34	4.61	0.885
Peak troponin during index hospital stay	-0.01	-0.01	0.00	0.140
Ejection Fraction <40%	-1.54	-2.93	-0.15	0.030
GRACE risk score >99	0.02	-1.71	1.76	0.978
Hemodynamic instability	-1.02	-2.53	0.48	0.183
Length of stay during index hospitalization	-0.14	-0.25	-0.04	0.009
Cardiac catheterization during index hospitalization	-1.05	-7.02	4.92	0.730
PCI during index hospitalization	0.02	-1.12	1.16	0.974
CABG during index hospitalization	-4.74	-6.52	-2.97	<.0001
Present more than 6 hours after symptom onset	0.08	-0.76	0.92	0.855
Percent of eligible quality of care indicators received	0.02	-0.02	0.05	0.331
Low social support	-1.33	-2.58	-0.09	0.036
Country				
Spain (versus US)	1.00	-0.47	2.46	0.182
Australia (versus US)	5.18	1.36	9.00	0.008
Baseline SF-12 physical component summary (PCS) score	-0.59	-0.63	-0.55	<.0001

CI = confidence interval; GRACE = Global Registry of Acute Coronary Events; STEMI = ST-elevation myocardial infarction

Supplemental Table 9. Multivariable linear regression model for change in 12-item short-form health survey (SF-12) mental component summary score at one-month after acute myocardial infarction

Patient characteristics	Coefficient	95% CI		P-value
Intercept	38.68	31.18	46.18	<.0001
Female (versus male)	-2.72	-3.61	-1.83	<.0001
Baseline perceived stress				
Moderate (versus low)	-1.96	-2.96	-0.96	0.000
High (versus low)	-3.66	-4.93	-2.38	<.0001
Age				
18-34 years (versus 45-55 years)	-2.44	-4.52	-0.36	0.022
35-44 years (versus 45-55 years)	-0.66	-1.59	0.27	0.164
Race				
Black (versus white)	1.13	-0.07	2.33	0.064
Other (versus white)	0.20	-1.57	1.97	0.825
Education				
High school (versus < high school)	0.89	-1.08	2.87	0.375
More than high school (versus < high school)	1.07	-0.90	3.04	0.289
Not married (versus Married/living with a partner as if married)	-0.83	-1.66	0.00	0.050
History of smoking				
Current smoker (versus never smoked)	-0.32	-1.35	0.71	0.544
Past smoker (>1 mo and <1 yr) (versus never smoked)	-0.42	-2.50	1.65	0.690
Past smoker (>1 yr) (versus never smoked)	0.34	-1.00	1.67	0.621
Body mass index (BMI)	0.06	0.00	0.11	0.049
Diabetes mellitus	0.46	-0.45	1.36	0.324
Hypertension	-0.01	-0.89	0.88	0.985
Hypercholesterolemia	0.53	-0.63	1.69	0.372
Chronic lung disease	-1.55	-2.89	-0.20	0.025
Chronic renal dysfunction	0.28	-1.10	1.66	0.693
Depression	-2.72	-3.75	-1.68	<.0001
History of cancer	-0.05	-2.21	2.10	0.961
Prior acute myocardial infarction (AMI)	-0.10	-1.78	1.57	0.903
Prior coronary artery bypass graft (CABG)	1.09	-1.30	3.47	0.372
Prior percutaneous coronary intervention (PCI)	-1.20	-2.85	0.45	0.156
Prior peripheral artery disease (PAD)	-1.44	-4.33	1.44	0.327
Prior angina pectoris	-0.45	-1.56	0.67	0.433
History of congestive heart failure (CHF)	-0.15	-2.51	2.21	0.902
Prior stroke	0.85	-1.23	2.94	0.423
Prior valve surgery	-3.09	-8.04	1.87	0.223
STEMI	0.03	-0.85	0.91	0.946

Cardiogenic shock upon hospital admission	1.60	-3.26	6.47	0.518
Peak troponin during index hospital stay	0.00	-0.01	0.00	0.534
Ejection Fraction <40%	1.18	-0.17	2.53	0.088
GRACE risk score >99	-0.36	-2.05	1.33	0.675
Hemodynamic instability	1.27	-0.20	2.74	0.091
Length of stay during index hospitalization	-0.04	-0.15	0.06	0.422
Cardiac catheterization during index hospitalization	4.39	-1.44	10.22	0.140
PCI during index hospitalization	0.38	-0.74	1.49	0.508
CABG during index hospitalization	1.87	0.14	3.60	0.034
Present more than 6 hours after symptom onset	-0.12	-0.94	0.70	0.775
Percent of eligible quality of care indicators received	0.00	-0.03	0.04	0.799
Low social support	-2.54	-3.77	-1.32	<.0001
Country				
Spain (versus US)	-0.45	-1.88	0.97	0.533
Australia (versus US)	-1.73	-5.46	2.01	0.365
Baseline SF-12 mental component summary (MCS) score	-0.82	-0.86	-0.77	<.0001

CI = confidence interval; GRACE = Global Registry of Acute Coronary Events; STEMI = ST-elevation myocardial infarction

Supplemental Table 10. Multivariable linear regression model for change in Euro-QoI (EQ-5D) utility index score at one-month after acute myocardial infarction

Patient characteristics	Coefficient	95% CI		P-value
Intercept	0.632	0.514	0.750	<.0001
Female (versus male)	-0.033	-0.047	-0.019	<.0001
Baseline perceived stress				
Moderate (versus low)	-0.005	-0.020	0.011	0.552
High (versus low)	-0.023	-0.042	-0.005	0.013
Age				
18-34 years (versus 45-55 years)	-0.016	-0.048	0.017	0.343
35-44 years (versus 45-55 years)	-0.015	-0.030	-0.001	0.041
Race				
Black (versus white)	-0.005	-0.024	0.014	0.582
Other (versus white)	-0.018	-0.045	0.009	0.196
Education				
High school (versus < high school)	0.019	-0.012	0.049	0.235
More than high school (versus < high school)	0.031	0.000	0.061	0.049
Not married (versus Married/living with a partner as if married)	-0.013	-0.026	0.000	0.055
History of smoking				
Current smoker (versus never smoked)	-0.019	-0.035	-0.002	0.025
Past smoker (>1 mo and <1 yr) (versus never smoked)	-0.024	-0.057	0.008	0.143
Past smoker (>1 yr) (versus never smoked)	0.006	-0.015	0.027	0.583
Body mass index (BMI)	-0.001	-0.002	0.000	0.085
Diabetes mellitus	0.002	-0.013	0.016	0.836
Hypertension	0.002	-0.012	0.016	0.740
Hypercholesterolemia	0.002	-0.017	0.020	0.859
Chronic lung disease	-0.026	-0.048	-0.005	0.016
Chronic renal dysfunction	-0.012	-0.034	0.009	0.266
Depression	-0.052	-0.068	-0.036	<.0001
History of cancer	-0.014	-0.049	0.021	0.430
Prior acute myocardial infarction (AMI)	0.003	-0.023	0.029	0.837
Prior coronary artery bypass graft (CABG)	-0.020	-0.058	0.019	0.319
Prior percutaneous coronary intervention (PCI)	-0.025	-0.051	0.001	0.059
Prior peripheral artery disease (PAD)	0.001	-0.044	0.047	0.961
Prior angina pectoris	-0.016	-0.033	0.002	0.075
History of congestive heart failure (CHF)	-0.016	-0.054	0.022	0.406
Prior stroke	0.005	-0.028	0.038	0.762
Prior valve surgery	-0.039	-0.121	0.043	0.351
STEMI	0.012	-0.002	0.026	0.081
Cardiogenic shock upon hospital admission	0.027	-0.050	0.103	0.494

Peak troponin during index hospital stay	0.000	0.000	0.000	0.391
Ejection Fraction <40%	0.018	-0.003	0.039	0.092
GRACE risk score >99	-0.002	-0.029	0.025	0.881
Hemodynamic instability	-0.004	-0.028	0.019	0.711
Length of stay during index hospitalization	-0.002	-0.003	0.000	0.065
Cardiac catheterization during index hospitalization	0.076	-0.020	0.173	0.122
PCI during index hospitalization	-0.005	-0.023	0.013	0.586
CABG during index hospitalization	-0.029	-0.056	-0.001	0.040
Present more than 6 hours after symptom onset	-0.004	-0.017	0.009	0.580
Percent of eligible quality of care indicators received	0.000	0.000	0.001	0.107
Low social support	-0.047	-0.066	-0.027	<.0001
Country				
Spain (versus US)	-0.005	-0.027	0.016	0.626
Australia (versus US)	0.126	0.064	0.188	<.0001
Baseline EQ-5D utility index score	-0.772	-0.805	-0.740	<.0001

CI = confidence interval; EQ-5D = Euro-Qol; GRACE = Global Registry of Acute Coronary Events; STEMI = ST-elevation myocardial infarction

Supplemental Table 11. Multivariable linear regression model for change in Euro-QoI (EQ-5D) visual analog scale at one-month after acute myocardial infarction

Patient characteristics	Coefficient	95% CI		P-value
Intercept	54.34	40.55	68.12	<.0001
Female (versus male)	-1.79	-3.43	-0.15	0.032
Baseline perceived stress				
Moderate (versus low)	-2.70	-4.48	-0.93	0.003
High (versus low)	-5.39	-7.54	-3.24	<.0001
Age				
18-34 years (versus 45-55 years)	-0.87	-4.63	2.89	0.649
35-44 years (versus 45-55 years)	0.39	-1.33	2.10	0.659
Race				
Black (versus white)	-0.57	-2.76	1.62	0.609
Other (versus white)	-0.27	-3.55	3.01	0.872
Education				
High school (versus < high school)	0.21	-3.37	3.79	0.908
More than high school (versus < high school)	0.99	-2.58	4.56	0.587
Not married (versus Married/living with a partner as if married)	-1.24	-2.78	0.29	0.111
History of smoking				
Current smoker (versus never smoked)	-2.11	-4.01	-0.22	0.029
Past smoker (>1 mo and <1 yr) (versus never smoked)	-1.71	-5.51	2.10	0.379
Past smoker (>1 yr) (versus never smoked)	-0.52	-2.94	1.90	0.675
Body mass index (BMI)	-0.06	-0.16	0.04	0.212
Diabetes mellitus	0.77	-0.90	2.44	0.367
Hypertension	0.53	-1.10	2.17	0.523
Hypercholesterolemia	-2.44	-4.57	-0.32	0.024
Chronic lung disease	-4.29	-6.77	-1.80	0.001
Chronic renal dysfunction	-2.56	-5.07	-0.05	0.046
Depression	-2.88	-4.72	-1.04	0.002
History of cancer	-0.35	-4.49	3.78	0.867
Prior acute myocardial infarction (AMI)	-2.45	-5.51	0.62	0.117
Prior coronary artery bypass graft (CABG)	-2.15	-6.66	2.37	0.351
Prior percutaneous coronary intervention (PCI)	-1.64	-4.69	1.41	0.291
Prior peripheral artery disease (PAD)	-3.22	-8.37	1.92	0.219
Prior angina pectoris	-0.65	-2.68	1.38	0.531
History of congestive heart failure (CHF)	-2.10	-6.54	2.33	0.353
Prior stroke	-2.80	-6.61	1.01	0.150
Prior valve surgery	-8.21	-17.74	1.31	0.091
STEMI	0.29	-1.33	1.91	0.726
Cardiogenic shock upon hospital admission	3.43	-5.40	12.25	0.447

Peak troponin during index hospital stay	0.01	-0.01	0.02	0.382
Ejection Fraction <40%	0.48	-2.02	2.99	0.705
GRACE risk score >99	1.83	-1.34	5.00	0.258
Hemodynamic instability	1.21	-1.50	3.91	0.382
Length of stay during index hospitalization	-0.20	-0.40	0.00	0.047
Cardiac catheterization during index hospitalization	7.37	-3.82	18.57	0.197
PCI during index hospitalization	-1.04	-3.11	1.02	0.321
CABG during index hospitalization	1.24	-1.94	4.41	0.445
Present more than 6 hours after symptom onset	-0.20	-1.71	1.32	0.800
Percent of eligible quality of care indicators received	0.04	-0.02	0.10	0.184
Low social support	-2.47	-4.75	-0.19	0.034
Country				
Spain (versus US)	-9.93	-12.52	-7.34	<.0001
Australia (versus US)	7.41	0.62	14.21	0.033
Baseline EQ-5D visual analog scale	-0.70	-0.74	-0.66	<.0001

CI = confidence interval; EQ-5D = Euro-Qol; GRACE = Global Registry of Acute Coronary Events; STEMI = ST-elevation myocardial infarction