Supplementary Table 1. Reduction in Depressive Symptoms from Baseline to 6 Months

Variable	P Value for 3-Way Interaction	Intent-to-Treat Estimates[a]			t	P
		Active Treatment	Usual Care	Between-Group Difference		
Change in depressive symptom score (overall)		−10.1 (−12.0 to −8.1)	−6.6 (−8.5 to −4.8)	−3.5 (−6.1 to −0.7)	−2.5	.01
Sex						
Male (n = 87)		−9.0 (−11.5 to −6.5)	−7.5 (−9.8 to −5.1)	−1.6 (−6.7 to 3.6)	−0.6	.55
Female (n = 63)	.03	−11.9 (−15.0 to −8.9)	−5.6 (−8.5 to −2.6)	−6.4 (−10.1 to −2.6)	−3.4	<.001
Hispanic						
Yes (n = 29)		−7.9 (−12.0 to −3.8)	−7.6 (−12.1 to −3.0)	−0.3 (−3.5 to 2.8)	−0.2	.84
No (n = 120)	.32	−10.6 (−12.8 to −8.3)	−6.4 (−8.4 to −4.4)	−4.2 (−7.2 to −1.1)	−2.7	.009
African American						
Yes (n = 50)		−6.9 (−10.3 to −3.5)	−6.1 (−9.1 to −3.0)	−0.8 (−4.1 to 2.5)	−0.5	.62
No (n = 100)	.27	−11.4 (−13.7 to −9.1)	−7.0 (−9.3 to −4.7)	−4.4 (−7.8 to −1.0)	−2.6	.01
Type of acute coronary syndrome						
Myocardial infarction (n = 77)		−10.1 (−13.0 to −7.3)	−5.8 (−8.4 to −3.2)	−4.3 (−8.3 to −0.4)	−2.2	.03
Unstable angina (n = 70)	.55	−9.9 (−12.7 to −7.2)	−7.5 (−10.3 to −4.7)	−2.4 (−6.1 to 1.3)	−1.3	.20
Type of myocardial infarction						
ST-segment elevation (n = 40)		−9.3 (−12.8 to −5.8)	−7.4 (−10.8 to −4.0)	−1.9 (−5.3 to 1.5)	−1.1	.04
Non−ST-segment elevation (n = 37)	.36	−11.3 (−15.6 to −6.9)	−4.1 (−7.7 to −0.4)	−7.2 (−13.9 to −0.5)	−2.2	.28
Beck Depression Inventory score at baseline						
≥16 (n = 102)		−11.8 (−14.3 to −9.2)	−8.0 (−10.5 to −5.4)	−3.8 (−7.2 to −0.4)	−2.2	.03
<16 (n = 48)	.61	−5.8	−4.2	−1.6	−0.9	.35

		(−8.3 to −3.2)	(−6.5 to −1.9)	(−4.9 to 1.7)		
Antidepressant use at baseline						
No (n = 97)		−9.3	−5.8	−3.5	−2.5	.01
	.42	(−11.3 to −7.2)	(−7.7 to −3.8)	(−6.3 to −0.8)		
Yes (n = 53)		−7.8	−6.7	−1.1	−0.8	.42
		(−11.0 to −4.6)	(−10.1 to −3.3)	(−3.9 to 1.6)		
Any mental health treatment at baseline						
No (n = 94)		−9.4	−5.5	−4.0	−2.7	.007
	.24	(−11.6 to −7.3)	(−7.5 to −3.5)	(−6.8 to −1.1)		
Yes (n = 56)		−7.7	−7.2	−0.4	−0.6	.56
		(−10.6 to −4.7)	(−10.5 to −3.9)	(−1.9 to 1.0)		
Diabetes						
No (n = 80)		−7.9	−7.0	−0.9	−0.5	.61
	.05	(−10.5 to −5.3)	(−9.4 to −4.5)	(−4.6 to 2.7)		
Yes (n = 69)		−12.5	−6.3	−6.2	−3.2	.002
		(−15.3 to −9.6)	(−9.0 to −3.5)	(−10.0 to −2.3)		
Study site						
1 (n = 32)		−8.2	−8.6	0.4	−0.04	.97
		(−12.0 to −4.3)	(−12.4 to −4.8)	(−20.3 to 21.1)		
2 (n = 40)		−7.2	−4.3	−2.9	−1.0	.31
		(−11.3 to −3.1)	(−7.8 to −0.8)	(−8.5 to 2.7)		
3 (n = 34)	.58	−9.7	−5.5	−4.2	−1.3	.18
		(−13.9 to −5.5)	(−9.5 to −1.5)	(−10.5 to 2.0)		
4 (n = 20)		−14.6	−8.6	−6.0	−2.1	.04
		(−19.4 to −9.8)	(−13.4 to −3.8)	(−11.7 to −0.4)		
5 (n = 24)		−11.1	−7.4	−3.6	−0.9	.35
		(−15.6 to −6.5)	(−11.9 to −3.0)	(−11.4 to 4.1)		

[a] Data are presented as estimated mean (95% CI) unless otherwise indicated. Multilevel linear mixed models were used to estimate a group × time repeated-measures analysis of variance for the Beck Depression Inventory. Within-subgroup significance tests for change in depressive symptom score are a test of the treatment group × time interaction effect.

Supplementary Table 2. Health Care Use and Adjusted Costs During 6 Months[a]

Characteristic	Active Treatment (n=73)		Usual Care (n=77)			
	No. (%) of Patients	Cost, $	No. (%) of Patients	Cost, $	Difference, $ (95% CI)	*P* Value[b]
Medications						
Antidepressant	43 (58.9)	401	33 (42.8)	336	68 (−84 to 220)	.38
Anxiolytic	18 (24.6)	71	18 (23.4)	32	36 (−12 to 83)	.14
Any psychotropic	46 (63.0)	471	39 (50.6)	368	104 (−59 to 267)	.21
Ambulatory visits						
Mental health	67 (91.8)	638	21 (27.3)	46	584 (470 to 697)	<.001
Primary care	67 (91.8)	221	72 (93.5)	216	5 (−30 to 41)	.76
Cardiology	60 (82.2)	244	63 (81.8)	248	−8 (−60 to 44)	.77
Any ambulatory care	73 (100)	1103	77 (100)	510	581 (450 to 712)	<.001
Hospital admissions						
STEMI	0		0		-	
NSTEMI or unstable angina	6 (8.2)	1189	5 (6.5)	1153	−9 (−1502 to 1485)	.99
Stable angina[c]	3 (4.1)	98	4 (5.2)	166	−62 (−265 to 141)	.55
Heart failure	2 (2.7)	300	3 (3.9)	363	−162 (−767 to 443)	.60
Noncardiac diagnosis[d]	8 (10.9)	1128	12 (15.6)	1800	−777 (−2477 to 923)	.37
Any hospitalization	14 (19.2)	2715	22 (28.6)	3480	−1010 (−3294 to 1274)	.39
Revascularization[e]						
PCI or CABG	6 (8.2)	1284	4 (5.2)	1049	202 (−1319 to 1723)	.79
Depression Care						
Medications and mental health visits	71 (97.3)	1110	46 (59.7)	414	687 (466 to 909)	<.001
Total Cost[f]		4289		4358	−325 (−2639 to 1989)	.78

Abbreviations: CABG, coronary artery bypass grafting; PCI, percutaneous coronary intervention; STEMI, ST-segment elevation myocardial infarction; NSTEMI, non–ST-segment elevation myocardial infarction.

[a]Cost outcomes were adjusted for potential confounding by age, sex, ethnicity, race, marital status, education, baseline Beck Depression Inventory score, type of acute coronary syndrome, and left ventricular ejection fraction using linear regression models.

[b]*P* values are based on a linear regression model.

[c]Includes hospitalizations for chest pain of unclear cause.

[d]Includes pulmonary embolism, renal failure, uncontrolled diabetes, and other conditions.

[e]Includes hospitalizations for acute coronary syndrome or heart failure, which resulted in revascularization.

[f]Revascularization costs are reflected in hospital admission costs.