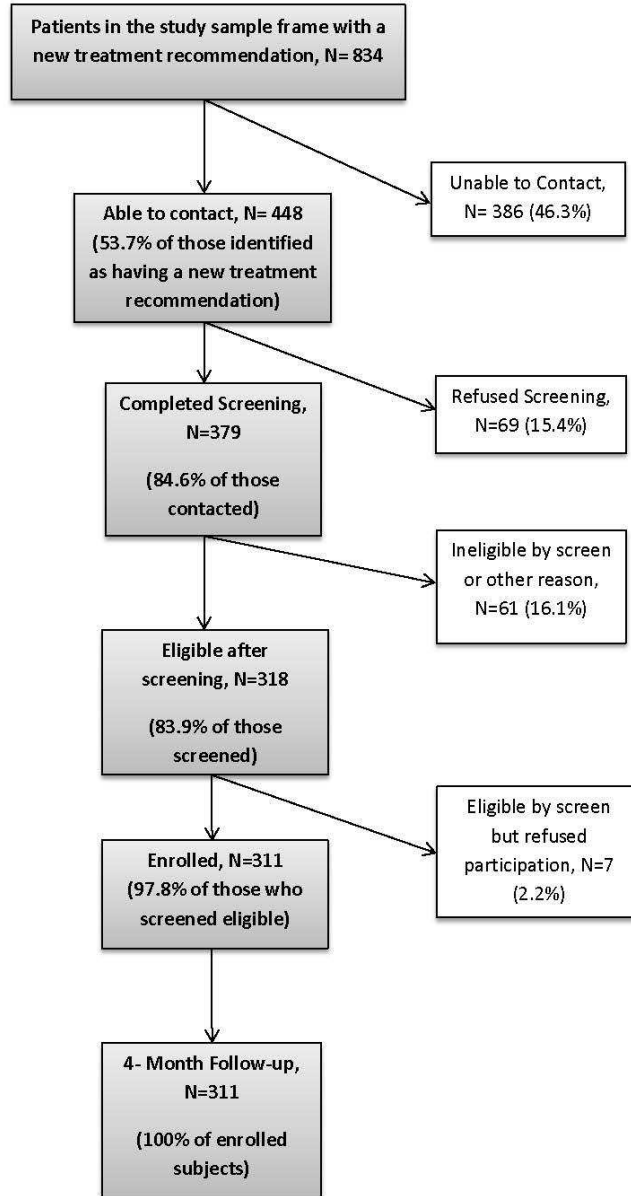


Appendix 1. Consort

Figure 1. Study Flowchart



Table

Appendix 2. Covariate adjusted odds ratio estimates based on logistic regression models for non-adherence in antidepressant at 4-month follow-up

Variable	Model 1			Model 2			Model 3			Model 4			Model 5			Model 6		
	AOR	95%CI	P value	AOR	95%CI	P value	AOR	95%CI	P value	AOR	95%CI	P value	AOR	95%CI	P value	AOR	95%CI	P value
Black	3.20	1.71- 6.01**	<.001	3.54	1.76- 7.11**	<.001	3.84	1.88- 7.84**	<.001	4.25	2.03- 8.91**	<.001	4.24	2.02- 8.87**	<.001	4.23	2.01- 8.88**	<.001
Without partner or spouse	2.02	1.20- 3.38**	.008	1.67	.96- 2.92	.070	1.73	.99- 3.03	.056	1.79	1.01- 3.17*	.045	1.82	1.03- 3.22*	.041	1.82	1.03- 3.23*	.041
Charlson's comorbidity index				1.31	1.11- 1.54**	.002	1.33	1.12- 1.58**	.001	1.33	1.11- 1.59**	.002	1.33	1.11- 1.58**	.002	1.33	1.11- 1.58**	.002
Antidepressant prescribed in primary care (reference: prescribed by a psychiatrist)										1.40	.76- 2.55	.277	1.33	.72- 2.44	.363	1.32	.71- 2.48	.384
Citalopram/Sertraline (reference: other ADs)													1.50	.81- 2.77	.198	1.50	.81- 2.78	.203
Seeing a therapist																.98	.51- 1.88	.952
Female	1.61	.35- 7.39	.540	1.65	.35- 7.82	.530	1.55	.32- 7.40	.585	1.44	.30- 6.97	.652	1.45	.29- 7.17	.646	1.45	.29- 7.18	.647
Age (reference 60-64)																		
65-74	1.71	.91- 3.22	.096	1.31	.66- 2.62	.443	1.36	.68- 2.74	.382	1.26	.62- 2.56	.525	1.26	.62- 2.57	.525	1.26	.62- 2.57	.530
75-90	1.32	.57- 3.05	.513	1.04	.41- 2.62	.936	1.22	.46- 3.19	.692	1.20	.45- 3.23	.717	1.13	.42- 3.06	.803	1.13	.42- 3.06	.806
Education (reference: high school or below)																		
With some college	.68	.41- 1.15	.155	.66	.38- 1.16	.146	.64	.36- 1.12	.118	.64	.36- 1.13	.122	.64	.36- 1.14	.127	.64	.36- 1.14	.128
Prior depression treatment				1.00	.57- 1.78	.989	1.00	.56- 1.78	.999	1.03	.57- 1.84	.930	1.12	.62- 2.04	.704	1.12	.62- 2.04	.707
Physical component summary of SF12 (PCS)				1.01	.98- 1.04	.404	1.01	.98- 1.04	.574	1.01	.98- 1.03	.675	1.01	.98- 1.03	.689	1.01	.98- 1.03	.693
Mental component summary of SF12 (MCS)				1.00	.96- 1.03	.791	.99	.96- 1.03	.753	.99	.96- 1.03	.633	.99	.96- 1.03	.696	.99	.96- 1.03	.694
Patient Health Questionnaire (PHQ-9)				1.05	.98- 1.12	.183	1.05	.98- 1.12	.170	1.05	.98- 1.12	.169	1.05	.98- 1.13	.148	1.05	.98- 1.13	.150
HADS Anxiety subscale				.94	.86- 1.02	.137	.94	.86- 1.02	.144	.93	.85- 1.02	.130	.94	.86- 1.02	.149	.94	.86- 1.02	.151
Anxiety sensitivity index (ASI)				1.00	.99- 1.01	.873	1.00	.99- 1.01	.884	1.00	.99- 1.01	.974	1.00	.99- 1.01	.894	1.00	.99- 1.01	.894
Delirium				.50	.09- 2.64	.410	.49	.09- 2.71	.417	.54	.10- 3.07	.490	.52	.09- 3.04	.471	.52	.09- 3.05	.472
Substance abuse				1.29	.62- 2.69	.496	1.28	.61- 2.68	.512	1.32	.63- 2.80	.463	1.27	.60- 2.70	.535	1.27	.60- 2.71	.533
PTSD				.55	.29- 1.06	.075	.58	.30- 1.12	.104	.59	.30- 1.17	.128	.62	.31- 1.23	.171	.62	.31- 1.25	.182
Other anxiety disorders				1.10	.55- 2.19	.784	1.09	.55- 2.18	.800	1.13	.56- 2.27	.728	1.13	.56- 2.28	.727	1.13	.56- 2.29	.725
IADL Total							1.10	.88- 1.37	.401	1.12	.89- 1.40	.327	1.13	.90- 1.41	.307	1.13	.90- 1.41	.306
Weschler LNS subscale							1.04	.96- 1.13	.336	1.04	.95- 1.13	.376	1.04	.95- 1.13	.396	1.04	.95- 1.13	.397
Site of recruitment (reference: Detroit)																		
Battle Creek										1.23	.56- 2.68	.603	1.21	.55- 2.66	.633	1.21	.55- 2.68	.631
Ann Arbor										.77	.39- 1.53	.464	.75	.38- 1.49	.412	.75	.37- 1.52	.433

AOR, adjusted odds ratio; CI, confidence interval. All df's are 1.

Model 1: adjusted for demographic variables of age and education.

Model 2: adjusted for demographic variables and illness burden variables including Charlson's comorbidity index, prior treatment of depression, physical component summary score (PCS), mental component summary score (MCS), depression score on patient health questionnaire (PHQ total), hospital anxiety depression score (HADS total), and anxiety sensitivity index (ASI total), delirium, substance abuse, posttraumatic stress disorder, and other anxieties.

Model 3: adjusted for demographic variables, illness burden variables, and functional status variables including instrumental activities of daily living (IADL total) and Weschler memory scale.

Model 4: adjusted for demographic variables, illness burden variables, functional status variables, site of recruitment, and medical setting.

Model 5: adjusted for demographic variables, illness burden variables, functional status variables, site of recruitment, medical setting, and type of antidepressant.

Model 6: adjusted for demographic variables, illness burden variables, functional status variables, site of recruitment, medical setting, type of antidepressant, and seeing a therapist.

*p< .05

**p< .01