

SUPPLEMENTARY MATERIAL

eTable 1: International Classification of Diseases, 9th Revision, Clinical Modification (ICD9-CM) codes used to determine mental health diagnoses included as covariates

eTable 2: Hazard ratios of all predictors included in adjusted models for full analytic sample and specialty clinic sub-sample

eTable 1: International Classification of Diseases, 9th Revision, Clinical Modification (ICD9-CM) codes used to determine mental health conditions included as covariates

Mental Health Condition	ICD9-CM Codes
Depression	296.2x, 296.3x, 300.4, 301.13, 309.0, 309.1, or 311
Alcohol use disorder	291.x, 303.x, 305.0, 305.00, 305.01, 305.02, or 305.03
Drug use disorder	292, 292.0, 292.1, 292.11, 292.12, 292.2, 304, 304.xx, 305.2x, 305.3x, 305.4x, 305.5x, 305.6x, 305.7x, 305.8x, or 305.9x
Post-traumatic stress disorder	309.81

eTable 2. Hazard ratios of all predictors included in adjusted models for full analytic sample and specialty clinic sub-sample

Predictor	Full Analytic Sample		Specialty Clinic Sub-Sample	
	HR (95% CI)	P value	HR (95% CI)	P value
Black race	1.07 (0.92-1.23)	0.381	0.87 (0.76-1.00)	0.056
Hispanic ethnicity	1.14 (0.89-1.46)	0.285	0.88 (0.69-1.12)	0.299
OA year 2002	1.04 (0.97-1.11)	0.294	1.09 (1.01-1.16)	0.018
OA year 2003	1.04 (0.96-1.11)	0.329	1.12 (1.05-1.21)	0.001
OA year 2004	1.13 (1.04-1.21)	0.002	1.25 (1.16-1.35)	<.0001
OA year 2005	1.19 (1.09-1.29)	<.0001	1.34 (1.23-1.45)	<.0001
OA year 2006	1.30 (1.20-1.42)	<.0001	1.46 (1.34-1.59)	<.0001
OA year 2007	1.44 (1.32-1.58)	<.0001	1.61 (1.47-1.76)	<.0001
OA year 2008	1.68 (1.54-1.84)	<.0001	1.88 (1.72-2.07)	<.0001
OA year 2009	1.77 (1.61-1.93)	<.0001	2.09 (1.91-2.29)	<.0001
OA year 2010	1.68 (1.52-1.86)	<.0001	2.09 (1.89-2.31)	<.0001
OA year 2011	1.85 (1.66-2.07)	<.0001	2.44 (2.18-2.73)	<.0001
Black race X OA year 2002	0.76 (0.61-0.96)	0.019	0.76 (0.60-0.95)	0.017
Black race X OA year 2003	0.84 (0.67-1.05)	0.123	0.84 (0.67-1.06)	0.143
Black race X OA year 2004	0.76 (0.60-0.96)	0.024	0.78 (0.61-0.99)	0.039
Black race X OA year 2005	0.81 (0.63-1.03)	0.088	0.84 (0.65-1.07)	0.161
Black race X OA year 2006	0.71 (0.55-0.92)	0.009	0.74 (0.57-0.96)	0.023
Black race X OA year 2007	0.65 (0.49-0.85)	0.002	0.76 (0.58-1.00)	0.048
Black race X OA year 2008	0.62 (0.47-0.81)	0.001	0.73 (0.56-0.96)	0.025
Black race X OA year 2009	0.64 (0.49-0.84)	0.001	0.72 (0.55-0.95)	0.018
Black race X OA year 2010	0.59 (0.43-0.79)	<.0001	0.69 (0.51-0.93)	0.015
Black race X OA year 2011	0.55 (0.39-0.77)	0.001	0.63 (0.44-0.89)	0.008
Hispanic ethnicity X OA year 2002	1.01 (0.70-1.45)	0.963	1.03 (0.72-1.48)	0.859

Hispanic ethnicity X OA year 2003	1.18 (0.83-1.68)	0.355	1.21 (0.85-1.72)	0.289
Hispanic ethnicity X OA year 2004	0.98 (0.68-1.41)	0.916	1.01 (0.70-1.45)	0.972
Hispanic ethnicity X OA year 2005	1.01 (0.69-1.49)	0.954	1.14 (0.77-1.68)	0.518
Hispanic ethnicity X OA year 2006	1.15 (0.78-1.71)	0.475	1.32 (0.89-1.96)	0.164
Hispanic ethnicity X OA year 2007	1.01 (0.67-1.52)	0.955	1.18 (0.78-1.77)	0.432
Hispanic ethnicity X OA year 2008	1.00 (0.67-1.50)	0.999	1.15 (0.76-1.72)	0.511
Hispanic ethnicity X OA year 2009	1.05 (0.70-1.57)	0.819	1.16 (0.78-1.74)	0.458
Hispanic ethnicity X OA year 2010	0.86 (0.54-1.36)	0.517	1.00 (0.63-1.58)	0.993
Hispanic ethnicity X OA year 2011	0.65 (0.38-1.11)	0.117	0.70 (0.40-1.23)	0.216
Age 50-54	1 [Reference]		1 [Reference]	
Age 55-59	1.13 (1.07-1.20)	<.0001	1.21 (1.15-1.29)	<.0001
Age 60-64	1.02 (0.96-1.09)	0.431	1.27 (1.20-1.35)	<.0001
Age 65-69	0.73 (0.68-0.78)	<.0001	1.25 (1.17-1.34)	<.0001
Age 70-74	0.56 (0.52-0.60)	<.0001	1.17 (1.09-1.26)	<.0001
Age \geq 75	0.36 (0.34-0.39)	<.0001	0.90 (0.84-0.97)	0.007
Female	0.99 (0.89-1.11)	0.923	0.89 (0.80-1.00)	0.050
CCI=0	1 [Reference]		1 [Reference]	
CCI=1-2	0.73 (0.70-0.76)	<.0001	0.76 (0.73-0.79)	<.0001
CCI \geq 3	0.61 (0.56-0.67)	<.0001	0.60 (0.55-0.66)	<.0001
Depression	0.95 (0.85-1.05)	0.319	0.86 (0.78-0.96)	0.006
PTSD	0.84 (0.78-0.90)	<.0001	0.78 (0.72-0.84)	<.0001
Alcohol use disorder	0.95 (0.87-1.04)	0.285	0.93 (0.85-1.02)	0.140
Drug use disorder	0.98 (0.84-1.14)	0.787	1.01 (0.86-1.17)	0.935
BMI<18.5	0.34 (0.17-0.66)	0.002	0.45 (0.23-0.88)	0.020
BMI 18.5-24.9	1 [Reference]		1 [Reference]	
BMI 25.0-29.9	1.61 (1.50-1.72)	<.0001	1.44 (1.34-1.56)	<.0001
BMI \geq 30.0	2.47 (2.31-2.64)	<.0001	2.04 (1.89-2.19)	<.0001
No pain	1 [Reference]		1 [Reference]	

Mild pain	1.62 (1.52-1.73)	<.0001	1.19 (1.13-1.26)	<.0001
Moderate pain	2.09 (1.98-2.21)	<.0001	1.33 (1.26-1.39)	<.0001
Severe pain	2.77 (2.62-2.92)	<.0001	1.56 (1.48-1.65)	<.0001

BMI=body mass index; CCI=Charlson Comorbidity Index; OA=osteoarthritis; PTSD=post-traumatic stress disorder; TKA=total knee arthroplasty

*Restricted to those who also consulted with a rheumatologist or orthopedic surgeon within the study timeframe.