

Table S3: Additional Patient and Hospital Level Characteristics According to Quartile of Multimodal Therapy Usage

	Quartile 1	Quartile 2	Quartile 3	Quartile 4	p-value
<u>Year of Surgery</u>					
2007	5300 (3.2)	5340 (2.9)	7222 (3.4)	7311 (3.1)	<.0001
2008	23619 (14.2)	21905 (11.8)	28197 (13.4)	28106 (11.8)	
2009	23747 (14.3)	22578 (12.2)	28229 (13.4)	30767 (12.9)	
2010	22998 (13.9)	24986 (13.5)	30055 (14.3)	35144 (14.7)	
2011	24312 (14.7)	28022 (15.2)	30947 (14.7)	35570 (14.9)	
2012	25499 (15.4)	30431 (16.5)	32932 (15.7)	35939 (15.1)	
2013	24979 (15.1)	30343 (16.4)	32401 (15.4)	38510 (16.1)	
2014	15512 (9.4)	21348 (11.5)	19986 (9.5)	27214 (11.4)	
<u>Hospital Characteristics</u>					
Geographic Location					
Midwest	25080 (15.1)	17784 (9.6)	28259 (13.5)	92676 (38.9)	<.0001
Northeast	48079 (29.0)	21924 (11.9)	37076 (17.7)	13850 (5.8)	
South	67843 (40.9)	114437 (61.9)	80700 (38.4)	98376 (41.2)	
West	24964 (15.0)	30808 (16.7)	63934 (30.5)	33659 (14.1)	
Urban Location	149693 (90.2)	174342 (94.3)	189329 (90.2)	210476 (88.2)	<.0001
<u>Pain related conditions and psychiatric co-morbidities</u>					
Dementia	1069 (0.6)	1134 (0.6)	1198 (0.6)	1069 (0.5)	<.0001
Personality Disorder	96 (0.1)	122 (0.1)	110 (0.1)	140 (0.1)	0.3743
Psychoses	1551 (0.9)	1757 (1.0)	1633 (0.8)	1929 (0.8)	<.0001
Fibromyalgia	2947 (1.8)	4179 (2.3)	4403 (2.1)	5182 (2.2)	<.0001
Migraine Headaches	2993 (1.8)	3612 (2.0)	3724 (1.8)	5412 (2.3)	<.0001
Rheumatoid Arthritis	4803 (2.9)	6048 (3.3)	6188 (3.0)	8033 (3.4)	<.0001
<u>Medication Usage</u>					
Anti-Convulsants	7812 (4.71)	10405 (5.63)	11423 (5.44)	14313 (6.00)	<.0001
Anti-Psychotics	8344 (5.03)	10956 (5.92)	11407 (5.43)	10255 (4.30)	<.0001
<u>Medical Comorbidities</u>					
AIDS	169 (0.10)	127 (0.07)	88 (0.04)	76 (0.03)	<.0001
Cerebrovascular Disease	3436 (2.1)	3889 (2.1)	4068 (1.9)	4424 (1.9)	<.0001
Congestive Heart Failure	10765 (6.5)	11455 (6.2)	11758 (5.6)	12428 (5.2)	<.0001
Coagulopathy	5881 (3.5)	6710 (3.6)	6344 (3.0)	8133 (3.4)	<.0001
Liver Disease	3981 (2.4)	4151 (2.2)	4228 (2.0)	4180 (1.8)	<.0001
Obesity	32243 (19.4)	35511 (19.2)	42246 (20.1)	52518 (22.0)	<.0001
Other Neurologic Disorders	4257 (2.6)	4876 (2.6)	4973 (2.4)	5133 (2.2)	<.0001
Paralysis	769 (0.5)	858 (0.5)	862 (0.4)	811 (0.3)	<.0001
Peptic Ulcer Disease	1319 (0.8)	1426 (0.8)	1432 (0.7)	1616 (0.7)	<.0001
Pulmonary Circulation Disorder	3725 (2.2)	3461 (1.9)	3297 (1.6)	3470 (1.5)	<.0001
Seizure Disorder	2192 (1.3)	2383 (1.3)	2416 (1.2)	2378 (1.0)	<.0001

Valvular Disease	7896 (4.8)	8947 (4.8)	8871 (4.2)	10457 (4.4)	<.0001
Lymphoma	877 (0.5)	820 (0.4)	892 (0.4)	1015 (0.4)	<.0001