

Supplement Table S7: Patient and Case Characteristics,
Outcome 'Taking Opioids at Three Months' (Univariable Testing)

	Not Taking Opioids at 3- months	Taking Opioids at 3-months	p value
n	584	96	
Institution 1	24 (4%)	9 (9%)	0.019 *
Institution 2	11 (2%)	2 (2%)	
Institution 3	82 (14%)	20 (21%)	
Institution 4	25 (4%)	1 (1%)	
Institution 5	41 (7%)	12 (13%)	
Institution 6	69 (12%)	6 (6%)	
Institution 7	70 (12%)	5 (5%)	
Institution 8	111 (19%)	20 (21%)	
Institution 9	52 (9%)	6 (6%)	
Institution 10	65 (11%)	7 (7%)	
Institution 11	34 (6%)	8 (8%)	
Age (years)	61 [51 - 69]	61 [53 - 69]	0.677
Sex Female	337 (58%)	58 (60%)	0.699
Race (Consolidated): Not White	56 (10%)	10 (10%)	0.825
Race (Consolidated): No Response	73 (13%)	10 (10%)	
Body Mass Index (kg/m²)	29 [25 - 34]	30 [27 - 36]	0.377
ASA Physical Status: III or IV	242 (43%)	50 (53%)	0.094
Relationship: Not a Couple (n=677)	165 (28%)	34 (35%)	0.198
Occupation: Not Employed	347 (60%)	84 (88%)	<0.0001 **
Preoperative Taking Opioids	62 (11%)	73 (76%)	<0.0001 **
Preoperative Taking Non-Opioid Analgesics (n=679)	189 (32%)	43 (45%)	0.024 *
Preoperative Anxiety Score	48 [40 - 56]	54 [40 - 60]	0.001 *
Preoperative Depression Score	41 [41 - 52]	49 [41 - 59]	<0.0001 **
Preoperative Physical Function Score	29 [23 - 37]	39 [34 - 43]	<0.0001 **
Preoperative Pain Last Week at Surgical Site (n=662)	247 (44%)	73 (77%)	<0.0001 **
Surgery Type - Total Hip	42 (7%)	12 (13%)	<0.0001 **
Surgery Type - Knee Replacement	47 (8%)	15 (16%)	
Surgery Type - Spine Surgery	78 (13%)	32 (33%)	
Surgery Type - Open Thoracic	19 (3%)	1 (1%)	
Surgery Type - Mastectomy	38 (7%)	5 (5%)	
Surgery Type - Abdominal Surgery	360 (62%)	31 (32%)	
General Anesthesia (n=668)	529 (92%)	83 (87%)	0.158
Neuraxial Anesthesia (n=668)	137 (24%)	28 (30%)	0.300
Anesthesia Duration (minutes) (n=668)	206 [155 - 275]	228 [172 - 324]	0.056
Intraoperative Parenteral Morphine Equivalent	23 [13 - 33]	25 [13 - 37]	0.043 *
Intraoperative Non-Opioid Analgesics Administered	523 (90%)	86 (90%)	1.000

n (%), Median [Interquartile Range] *p<0.05 **p<0.0001

n = 680 unless otherwise noted

Anxiety, Depression, and Physical Function scores were collected using Patient-Reported Outcomes Measurement Information System Score forms (Physical Function short form 4a, Anxiety short form 4a, Depression short form 4a, as described in Cella D, Yount S, Rothrock N, Gershon R, Cook K, Reeve B, et al. The Patient-Reported Outcomes Measurement Information System (PROMIS): Progress of an NIH Roadmap Cooperative Group During its First Two Years. Med Care. 2007;45(5 Suppl 1):S3-S11.

(ASA, American Society of Anesthesiologists)