

Supplement Table S8: Patient and Case Characteristics, Outcome 'Site Pain at Three Months'

	No Site Pain at 3-months	Site Pain at 3-months	SMD	Adjusted Odds Ratio (CI)
n	495	180		
Institution 1	22 (4%)	10 (6%)	0.439*	(Group Effect)
Institution 2	12 (2%)	1 (1%)		
Institution 3	66 (13%)	34 (19%)		
Institution 4	17 (3%)	9 (5%)		
Institution 5	33 (7%)	20 (11%)		
Institution 6	65 (13%)	10 (6%)		
Institution 7	50 (10%)	25 (14%)		
Institution 8	99 (20%)	31 (17%)		
Institution 9	49 (10%)	9 (5%)		
Institution 10	51 (10%)	20 (11%)		
Institution 11	31 (6%)	11 (6%)		
Age (years)	59±14	59±13	0.001	0.94 (0.80-1.05)
Sex Female	273 (55%)	120 (67%)	0.238*	1.22 (0.93-1.99)
Sex Male	222 (45%)	60 (33%)		(Reference)
Race (Consolidated): White	387 (79%)	136 (76%)	0.089	(Reference)
Race (Consolidated): Not White	45 (9%)	21 (12%)		1.15 (0.86-2.14)
Race (Consolidated): No Response	59 (12%)	23 (13%)		1.10 (0.81-1.98)
Race - White	387 (79%)	136 (76%)	0.254*	
Race - Black or African American	26 (5%)	12 (7%)		
Race - Asian	7 (1%)	3 (2%)		
Race - Native Hawaiian / Other Pacific Islander	2 (0%)	0 (0%)		
Race - American Indian / Alaska Native	4 (1%)	4 (2%)		
Race - Other race	3 (1%)	2 (1%)		
Race - Multiple	3 (1%)	0 (0%)		
Race - Do not know	0 (0%)	2 (1%)		
Race - No Response	59 (12%)	21 (12%)		
Body Mass Index (kg/m²)	31±8	30±7	0.077	0.94 (0.73-1.10)
ASA Physical Status: I or II	250 (53%)	108 (62%)	0.182	(Reference)
ASA Physical Status: III or IV	224 (47%)	67 (38%)		0.87 (0.56-1.10)
ASA Physical Status - I	28 (6%)	8 (5%)	0.214*	
ASA Physical Status - II	222 (47%)	100 (57%)		
ASA Physical Status - III	218 (46%)	66 (38%)		
ASA Physical Status - IV	6 (1%)	1 (1%)		
Relationship: Not a Couple (n=673)	144 (29%)	52 (29%)	0.007	0.94 (0.66-1.16)
Relationship: Couple (n=493/180)	349 (71%)	128 (71%)		(Reference)
Relationship - Couple: Married	327 (66%)	119 (66%)	0.153	
Relationship - Couple: Committed Relationship	22 (5%)	9 (5%)		
Relationship - Not a Couple: Widowed	36 (7%)	14 (8%)		
Relationship - Not a Couple: Divorced	52 (11%)	21 (12%)		
Relationship - Not a Couple: Never Married / Single	43 (9%)	14 (8%)		
Relationship - Not a Couple: Separated	8 (2%)	3 (2%)		
Relationship - No Response	5 (1%)	0 (0%)		
Occupation: Employed	188 (38%)	53 (29%)	0.191	(Reference)
Occupation: Not Employed	301 (62%)	127 (71%)		1.11 (0.89-1.72)
Occupation - Employed: Full-time employed	152 (31%)	45 (25%)	0.322*	
Occupation - Employed: Part-time employed	33 (7%)	8 (4%)		
Occupation - Employed: Multiple	3 (1%)	0 (0%)		
Occupation - Not Employed: Retired	201 (41%)	71 (39%)		
Occupation - Not Employed: Homemaker	22 (5%)	11 (6%)		
Occupation - Not Employed: Unemployed	15 (3%)	7 (4%)		
Occupation - Not Employed: On disability	48 (10%)	26 (14%)		
Occupation - Not Employed: On Leave of Absence	8 (2%)	5 (3%)		
Occupation - Not Employed: Full-time student	2 (0%)	5 (3%)		
Occupation - No Response	5 (1%)	2 (1%)		
Preoperative Taking Opioids	71 (14%)	62 (34%)	0.481*	1.49 (0.97-2.68)

Preoperative Taking Opioids (No)	424 (86%)	118 (66%)		(Reference)
Preoperative Taking Non-Opioid Analgesics	154 (31%)	76 (42%)	0.232*	1.03 (0.84-1.39)
Preoperative Taking Non-Opioid Analgesics (No)	341 (69%)	104 (58%)		(Reference)
Preoperative Anxiety Score	49±9	51±10	0.219*	1.03 (0.94-1.15)
Preoperative Depression Score	46±8	48±10	0.271*	1.02 (0.93-1.15)
Preoperative Physical Function Score	30±8	35±9	0.519*	1.03 (0.94-1.17)
Preoperative Pain Last Week at Surgical Site (n=656)	183 (38%)	132 (75%)	0.788*	2.58 (1.45-4.4) #
Preoperative Pain Last Week at Surgical Site (No) (n=479/177)	296 (62%)	45 (25%)		(Reference)
Surgery Type - Total Hip	38 (8%)	15 (8%)	0.913*	0.97 (0.59-1.40)
Surgery Type - Knee Replacement	23 (5%)	39 (22%)		4.1 (1.73-8.9) #
Surgery Type - Spine Surgery	56 (11%)	51 (28%)		2.75 (1.39-5.0) #
Surgery Type - Open Thoracic	14 (3%)	6 (3%)		1.44 (0.84-5.4)
Surgery Type - Mastectomy	27 (6%)	16 (9%)		2.69 (1.00-6.5)
Surgery Type - Abdominal Surgery	337 (68%)	53 (29%)		(Reference)
General Anesthesia (n=663)	463 (95%)	145 (83%)	0.389*	0.76 (0.315-1.13)
General Anesthesia (No)	25 (5%)	30 (17%)		(Reference)
Neuraxial Anesthesia (n=664)	108 (22%)	57 (33%)	0.236*	1.14 (0.88-1.88)
Neuraxial Anesthesia (No)	380 (78%)	118 (67%)		
Anesthesia Duration (minutes) (n=668)	242±138	238±146	0.028	1.02 (0.96-1.11)
Intraoperative Parenteral Morphine Equivalent	27±20	26±23	0.059	1.01 (0.92-1.10)
Intraoperative Non-Opioid Analgesics Administered	449 (91%)	155 (86%)	0.144	1.01 (0.74-1.45)
Intraoperative Non-Opioid Analgesics Not Administered	46 (9%)	25 (14%)		(Reference)

n (% of reported), Mean ± Standard Deviation (n)

* |Standardized Mean Difference| > 0.2

n = 675 unless noted

#95% Odds Ratio CI does not cross the line of identity (one)

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)