

Supplement Table S5: Patient and Case Characteristics and Data Availability

	3 Month Data		Standard-ized Mean Difference
	Available (n=680)	Not Available (n=389)	
Institution 1	33 (5%)	63 (16%)	0.62*
Institution 2	13 (2%)	1 (0%)	
Institution 3	102 (15%)	51 (13%)	
Institution 4	26 (4%)	23 (6%)	
Institution 5	53 (8%)	18 (5%)	
Institution 6	75 (11%)	32 (8%)	
Institution 7	75 (11%)	30 (8%)	
Institution 8	131 (19%)	59 (15%)	
Institution 9	58 (9%)	72 (19%)	
Institution 10	72 (11%)	14 (4%)	
Institution 11	42 (6%)	26 (7%)	
Age (years)	59 ± 14 (680)	54 ± 15 (389)	0.33*
Sex Female	395 (58%)	242 (62%)	0.08
Sex Male	285 (42%)	147 (38%)	
Race (Consolidated): White	527 (78%)	311 (81%)	0.25*
Race (Consolidated): Not White	66 (10%)	52 (14%)	
Race (Consolidated): No Response	83 (12%)	23 (6%)	
Race - White	527 (78%)	311 (81%)	0.29*
Race - Black or African American	38 (6%)	32 (8%)	
Race - Asian	10 (2%)	6 (2%)	
Race - Native Hawaiian / Other Pacific Islander	2 (0%)	3 (1%)	
Race - American Indian / Alaska Native	8 (1%)	8 (2%)	
Race - Other race	5 (1%)	3 (1%)	
Race - Multiple	3 (0%)	0 (0%)	
Race - Do not know	2 (0%)	2 (1%)	
Race - No Response	81 (12%)	21 (5%)	
Body Mass Index (kg/m <sup>2</sup> )	31 ± 8 (673)	31 ± 8 (385)	0.02
ASA Physical Status: I or II	361 (55%)	207 (55%)	0.00
ASA Physical Status: III or IV	292 (45%)	167 (45%)	
ASA Physical Status - I	36 (6%)	27 (7%)	0.11
ASA Physical Status - II	325 (50%)	180 (48%)	
ASA Physical Status - III	285 (44%)	159 (43%)	
ASA Physical Status - IV	7 (1%)	8 (2%)	
Relationship: Not a Couple	199 (29%)	143 (37%)	0.16
Relationship: Couple	479 (71%)	244 (63%)	
Relationship - Couple: Married	448 (66%)	223 (58%)	0.24*
Relationship - Couple: Committed Relationship	31 (5%)	21 (5%)	
Relationship - Not a Couple: Widowed	50 (7%)	21 (5%)	
Relationship - Not a Couple: Divorced	76 (11%)	59 (15%)	
Relationship - Not a Couple: Never Married / Single	57 (8%)	50 (13%)	
Relationship - Not a Couple: Separated	11 (2%)	8 (2%)	
Relationship - No Response	5 (1%)	5 (1%)	
Occupation: Employed	243 (36%)	173 (45%)	0.18
Occupation: Not Employed	431 (64%)	212 (55%)	
Occupation - Employed: Full-time employed	198 (29%)	147 (38%)	0.32*
Occupation - Employed: Part-time employed	42 (6%)	23 (6%)	
Occupation - Employed: Multiple	3 (0%)	3 (1%)	
Occupation - Not Employed: Retired	273 (41%)	106 (28%)	
Occupation - Not Employed: Homemaker	33 (5%)	20 (5%)	
Occupation - Not Employed: Unemployed	24 (4%)	23 (6%)	

Occupation - Not Employed: On disability	74 (11%)	50 (13%)	
Occupation - Not Employed: On Leave of Absence	13 (2%)	9 (2%)	
Occupation - Not Employed: Full-time student	7 (1%)	1 (0%)	
Occupation - No Response	7 (1%)	3 (1%)	
Preoperative Taking Opioids	135 (20%)	109 (28%)	0.19
Preoperative Taking Opioids (No)	545 (80%)	280 (72%)	
Preoperative Taking Non-Opioid Analgesics	232 (34%)	144 (37%)	0.06
Preoperative Taking Non-Opioid Analgesics (No)	448 (66%)	245 (63%)	
Preoperative Anxiety Score	50 ± 9 (658)	51 ± 10 (377)	0.16
Preoperative Depression Score	47 ± 8 (661)	47 ± 9 (373)	0.10
Preoperative Physical Function Score	32 ± 9 (654)	32 ± 9 (373)	0.02
Preoperative Pain Last Week at Surgical Site	320 (48%)	212 (55%)	0.14
Preoperative Pain Last Week at Surgical Site (No)	341 (52%)	172 (45%)	
Surgery Type - Total Hip	54 (8%)	37 (10%)	0.21*
Surgery Type - Knee Replacement	62 (9%)	21 (5%)	
Surgery Type - Spine Surgery	110 (16%)	70 (18%)	
Surgery Type - Open Thoracic	20 (3%)	7 (2%)	
Surgery Type - Mastectomy	43 (6%)	15 (4%)	
Surgery Type - Abdominal Surgery	391 (58%)	239 (61%)	
General Anesthesia	612 (92%)	363 (94%)	0.08
General Anesthesia (No)	56 (8%)	24 (6%)	
Neuraxial Anesthesia	165 (25%)	73 (19%)	0.14
Neuraxial Anesthesia (No)	503 (75%)	313 (81%)	
Anesthesia Duration (minutes)	241 ± 140 (668)	244 ± 121 (387)	0.02
Intraoperative Parenteral Morphine Equivalent	27 ± 21 (615)	29 ± 22 (368)	0.09
Intraoperative Non-Opioid Analgesics Administered	609 (90%)	359 (92%)	0.10
Intraoperative Non-Opioid Analgesics Not Administered	71 (10%)	30 (8%)	

n (% of reported), Mean ± Standard Deviation (n) \*|Standardized Mean Difference| > 0.2

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)