

Supplementary Table S1. Preliminary multiple linear regression models for outcomes of (1) composite pain and pain interference score and (2) postoperative opioid MED (in recovery room and on ward). Separate models were conducted for (a) demographic and clinical and (b) pre-admission and perioperative opioid MED independent variables.

1a) Outcome: Pain and Pain Interference Composite Score						
Demographic & Clinical Variables (<i>n</i> = 1104) / F = 12.7, <i>p</i> < 0.001 (<i>R</i> ² = 0.094)						
	B	Robust SE	t	P>t	95% Confidence Interval	
Age (years)	-0.03	0.004	-7.08	<0.001	-0.04	-0.02
Body Mass Index	0.001	0.009	0.07	0.947	-0.02	0.02
Number of Comorbidities	0.14	0.07	2.12	0.034	0.01	0.27
Region (Europe)	0.44	0.17	2.63	0.009	0.11	0.77
Surgery Type (mastectomy)	0.36	0.12	3.06	0.002	0.13	0.59
Axillary Lymph Node Dissection (yes)	-0.12	0.14	-0.91	0.365	-0.39	0.14
Surgery Duration (min)	0.003	0.001	3.26	0.001	0.001	0.006
Intraop Regional Anesthesia (yes)	-0.80	0.20	-4.09	<0.001	-1.18	-0.42
Duration between Surgery and IPOQ (hours)	0.01	0.01	1.11	0.267	-0.01	0.04
1b) Outcome: Pain and Pain Interference Composite Score						
Pre-Admission and Perioperative Opioid MED (<i>n</i> = 1876)/F = 10.7, <i>p</i> < 0.001 (<i>R</i> ² = 0.017)						
	B	SE	t	P>t	95% Confidence Interval	
Pre-Admission Opioid MED (mg)	0.007	0.01	0.47	0.640	-0.02	0.04
Intraoperative Opioid MED (mg)	0.000	0.002	-0.02	0.981	-0.003	0.003
Postop Opioid MED	0.02	0.006	3.18	0.001	0.01	0.03

2a) Outcome: Postoperative Opioid MED						
Demographic & Clinical Variables (<i>n</i> = 1105)/F = 2.91, <i>p</i> = 0.002 (<i>R</i> ² = 0.023)						
	B	Robust SE	t	P>t	95% Confidence Interval	
Age (years)	-0.07	0.02	-3.59	<0.001	-0.11	-0.03
Body Mass Index	0.09	0.07	1.35	0.177	-0.04	0.22
Number of Comorbidities	-0.12	0.32	-0.37	0.708	-0.74	0.50
Region (Europe)	-0.78	1.8	-0.44	0.663	-4.30	2.74
Surgery Type (mastectomy)	0.22	0.88	0.25	0.804	-1.50	1.94
Axillary Lymph Node Dissection (yes)	1.20	0.84	1.43	0.153	-0.45	2.89
Surgery Duration (min)	0.02	0.006	2.78	0.005	0.005	0.03
Intraop Regional Anesthesia (yes)	-2.17	0.87	-2.49	0.013	-3.87	0.46
Duration between Surgery and IPOQ (hours)	0.02	0.12	0.17	0.865	-0.22	0.26

2b) Outcome: Postoperative Opioid MED						
Pre-Admission and Perioperative Opioid MED (<i>n</i> = 1881)/F = 5.01, <i>p</i> = 0.007 (<i>R</i> ² = 0.005)						
	B	Robust SE	t	P>t	95% Confidence Interval	
Pre-Admission Opioid MED (mg)	0.09	0.34	0.26	0.792	-0.58	0.76
Intraoperative Opioid MED (mg)	0.000	0.04	-0.001	0.999	-0.09	0.09

Abbreviations: B = Beta coefficient; mg = milligrams; min = minutes; SE = standard error