

Appendix III – Patient demographics, healthcare related, procedure related and comorbidity related variables (Chi-square and t-test for categorical and continuous variables, respectively) by liposomal bupivacaine use in patients receiving a peripheral nerve block and general anesthesia.

	Use of liposomal bupivacaine		P-value
	Yes (n=9,025) n (%)	No (n=25,113) n (%)	
PATIENT DEMOGRAPHICS			
<i>Age(years) (median (IQR))</i>	67 (61-73)	66 (60-73)	<0.0001
<i>Sex</i>			0.3842
Female	5,522 (61.2)	15,496 (61.7)	
Male	3,503(38.8)	9,617 (38.3)	
<i>Race / Ethnicity</i>			<0.0001
White	7,105 (78.7)	19,965 (79.5)	
Black	1,426 (15.8)	2,349 (9.4)	
Other	494 (5.5)	2,799 (11.1)	
COMORBIDITY RELATED			
<i>Charlson-Deyo Comorbidity Index</i>			<0.0001
0	6,711 (74.4)	18,015 (71.7)	
1	1,629 (18.1)	4,937 (19.7)	
2	475 (5.3)	1,432 (5.7)	
2+	210 (2.3)	729 (2.9)	
<i>Substance Use/Abuse</i>	639 (7.1)	2,030 (8.1)	0.0023
<i>Pain Conditions</i>	1,477 (16.4)	4,412 (17.6)	0.0095
<i>Psychiatric Conditions</i>	1,746 (19.3)	5,624 (22.4)	<0.0001
PROCEDURE RELATED			
<i>Year of Procedure</i>			<0.0001
2013	793 (8.8)	7,309 (29.1)	
2014	2,190 (24.3)	6,629 (26.4)	
2015	3,233 (35.8)	5,875 (23.4)	
2016	2,809 (31.1)	5,300 (21.1)	
<i>NSAIDs Use</i>	5,312 (58.9)	13,013 (51.8)	0.1429
<i>Cox-2 Inhibitors Use</i>	4,971 (55.1)	10,744 (42.8)	<0.0001
<i>Ketamine Use</i>	503 (5.6)	1,739 (6.9)	<0.0001
<i>Gabapentinoids Use</i>	4,507 (49.9)	7,931 (31.6)	<0.0001
<i>IV Acetaminophen Use</i>	4,980 (55.2)	6,323 (25.2)	<0.0001
<i>Patient Controlled Analgesia Use</i>	160 (1.8)	1,678 (6.7)	<0.0001
HEALTHCARE RELATED			
<i>Insurance Type</i>			<0.0001
Commercial	2,897 (32.1)	8,822 (35.1)	
Medicaid	156 (1.7)	705 (2.8)	
Medicare	5,628 (62.4)	14,760 (58.8)	
Uninsured	22 (0.2)	43 (0.2)	
Unknown	322 (3.6)	783 (3.1)	
<i>Hospital Location</i>			<0.0001
Rural	142 (1.6)	1,243 (5.0)	
Urban	8,883 (98.4)	23,870 (95.1)	
<i>Hospital Size</i>			<0.0001
<300 beds	3,408 (37.8)	7,533 (30.0)	
300-499 beds	4,064 (45.0)	7,285 (29.0)	
≥500 beds	1,553 (17.2)	10,295 (41.0)	
<i>Hospital Teaching Status</i>			<0.0001
Non-Teaching	6,600 (73.1)	12,942 (51.5)	
Teaching	2,425 (26.9)	12,171 (48.5)	
<i>Annual Total Knee Arthroplasties per Hospital (median (IQR))</i>	711 (485-770)	658 (276-823)	<0.0001

IQR: Interquartile range

NSAIDs: Nonsteroidal antiinflammatory drugs

Cox-2: Cyclooxygenase-2