**Supplement 3:** Sensitivity analysis of the association of peripheral nerve blocks with persistent postoperative opioid prescription fulfillment in ambulatory shoulder surgery with missing institution not imputed

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **No Peripheral nerve block**  **(n)** | **Peripheral nerve block (n)** | **Persistent postoperative opioid use**  **n(%)** | **Unadjusted**  **Odds Ratio (95% CI)** | **P value** | **Adjusted analysis**†  **Odds Ratio (95% CI)** | ***P* value** |
| **Sensitivity analysis** |  |  |  |  |  |  |  |
| * Full Cohort, n= 48,523 * Preoperative opioid use   + Naïve n= 36,865   + Exposed, n=10,547   + Tolerant, n=1,111 | 18,146  13,541  4,142  463 | 30,377  23,324  6,405  648 | 8,229 (17.0)  2,862 (7.8)  4,690 (44.5)  677 (60.9) | 0.91 (0.87 to 0.96)  1.00 (0.92-1.08)  0.93 (0.86-1.00)  1.08 (0.85-1.38) | <0.001  0.912  0.053  0.522 | 0.91 (0.84 – 0.98)  0.95 (0.86-1.05)  0.88 (0.79-0.98)  1.04 (0.78- 1.40) | 0.019  0.296  0.019  0.774 |

p<0.05 is statistically significant.

\*Persistent postoperative opioid prescription fulfillment defined in accordance with published consensus guidelines.

†variables included in the model are outlined in Table 1.