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| **PRIMARY ANALYSIS: ANY LINGERING PAIN** |
|   | **Missing Imputed With Median/Zero Values** | **Missing Imputed With Bayesian Bootstrap Hot Deck Imputation** | **Complete Case Analysis - No Imputation** |
| Factor | OR [95% CI] | p-value | OR [95% CI] | p-value | OR [95% CI] | p-value |
| Age ³ 65 | 0.60 [0.51 to 0.70] | <0.001 | 0.61 [0.51 to 0.72] | <0.001 | 0.63 [0.52 to 0.76] | <0.001 |
| Female Sex | 1.31 [1.11 to 1.53] | <0.001 | 1.31 [1.11 to 1.53] | 0.001 | 1.25 [1.04 to 1.50] | 0.0203 |
| Body Mass Index ³ 30 kg/m2 | 0.89 [0.76 to 1.05] | 0.156 | 0.90 [0.77 to 1.06] | 0.211 | 0.83 [0.69 to 1.00] | 0.0538 |
| Veterans Rand 12 Mental Component Score <50 | 1.16 [0.99 to 1.37] | 0.071 | 1.13 [0.95 to 1.33] | 0.171 | 1.12 [0.92 to 1.37] | 0.2449 |
| ASA ³ 3 | 1.08 [0.91 to 1.27] | 0.385 | 1.05 [0.89 to 1.24] | 0.560 | 0.99 [0.81 to 1.19] | 0.8830 |
| Diabetes | 0.82 [0.65 to 1.04] | 0.097 | 0.83 [0.66 to 1.04] | 0.101 | 0.83 [0.63 to 1.09] | 0.1752 |
| Current Cancer | 1.23 [0.97 to 1.57] | 0.089 | 1.25 [0.98 to 1.60] | 0.073 | 1.31 [1.00 to 1.72] | 0.0547 |
| Current Tobacco Use | 1.17 [1.01 to 1.37] | 0.043 | 1.16 [0.99 to 1.36] | 0.070 | 1.12 [0.93 to 1.34] | 0.2346 |
| Preoperative PainRelated to Surgery | 1.99 [1.63 to 2.42] | <0.001 | 2.00 [1.64 to 2.45] | <0.001 | 1.91 [1.52 to 2.40] | <0.001 |
| Severe Preoperative Pain | 1.27 [1.08 to 1.50] | 0.005 | 1.24 [1.06 to 1.46] | 0.009 | 1.48 [1.22 to 1.78] | <0.001 |
| Negative Pain Expectations (vs Positive) | 1.63 [1.33 to 2.00] | <0.001 | 1.66 [1.35 to 2.04] | <0.001 | 1.56 [1.23 to 1.98] | <0.001 |
| Don't Know Pain Expectations (vs Positive) | 1.42 [1.13 to 1.79] | 0.003 | 1.40 [1.11 to 1.77] | 0.004 | 1.31 [0.99 to 1.73] | 0.0603 |
| Surgical operation that typically treats pain | 2.30 [1.89 to 2.81] | <0.001 | 2.29 [1.87 to 2.80] | <0.001 | 2.18 [1.73 to 2.75] | <0.001 |
| Estimated Severe Surgical Pain Level (vs mild-moderate) | 1.46 [1.22 to 1.75] | <0.001 | 1.44 [1.19 to 1.74] | 0.000 | 1.39 [1.12 to 1.72] | 0.0024 |
| Regional Anesthesia Used | 0.93 [0.77 to 1.13] | 0.475 | 0.92 [0.76 to 1.10] | 0.346 | 0.97 [0.76 to 1.22] | 0.7655 |
| Recollection of severe acute postsurgical pain | 3.22 [2.72 to 3.80] | <0.001 | 3.18 [2.69 to 3.75] | <0.001 | 3.13 [2.58 to 3.78] | <0.001 |