

| TABLE E-1 Bivariate Analysis of Opioid Medication Use One to Two Months After Surgery: Categorical Explanatory Variables | | | | |
|--|-------------|----------------|----------|--|
| Variable | Opioid Use* | No Opioid Use* | P Value† | |
| No. of patients | 40 (28%) | 105 (72%) | | |
| Sex | | | 0.72 | |
| Female | 20 (26%) | 56 (74%) | | |
| Male | 20 (29%) | 49 (71%) | | |
| Fracture site | | | 0.55 | |
| Upper extremity | 8 (21%) | 30 (79%) | | |
| Lower extremity | 28 (30%) | 64 (70%) | | |
| Multiple injuries | 4 (27%) | 11 (73%) | | |
| Treating surgeon | | | 0.83 | |
| Treating surgeon 1 | 27 (28%) | 70 (72%) | | |
| Treating surgeon 2 | 12 (26%) | 34 (74%) | | |
| Treating surgeon 3‡ | 1 (50%) | 1 (50%) | | |
| Injury severity (AIS)§ | | | 0.08 | |
| Minor | 1 (25%) | 3 (75%) | | |
| Moderate | 19 (23%) | 62 (77%) | | |
| Serious | 11 (24%) | 35 (76%) | | |
| Severe | 7 (58%) | 5 (42%) | | |
| No. of injuries | | | 0.69 | |
| Single | 32 (27%) | 87 (73%) | | |
| Multiple | 8 (31%) | 18 (69%) | | |
| Prior orthopaedic injury | 23 (29%) | 55 (71%) | 0.58 | |
| Prior surgery | 15 (33%) | 30 (67%) | 0.30 | |
| Primary economic provider | 18 (26%) | 51 (74%) | 0.52 | |
| Work-related injury | 1 (14%) | 6 (86%) | 0.59 | |
| Met threshold for posttraumatic stress disorder on PCL-C | 19 (45%) | 23 (55%) | 0.002 | |
| Met threshold for depression on CES-D | 16 (46%) | 19 (54%) | 0.006 | |

*The values are given as the number of patients, with the row percentage in parentheses. †Significance was set at $p < 0.05$. ‡Treating surgeon 3 was not computed and was treated as a missing case in the final analysis. §Two AIS scores in the opioid use group are missing.

| TABLE E-2 Bivariate Analysis of Opioid Medication Use One to Two Months After Surgery: Continuous Explanatory Variables | | | | |
|---|-------------|----------------|----------|---------------------|
| Variable | Opioid Use* | No Opioid Use* | P Value† | Difference‡ |
| Patient age (yr) | 47 ± 13 | 48 ± 19 | 0.81 | -0.7 (-5.7 to 7.2) |
| Catastrophic thinking (PCS) (points) | 25 ± 11 | 17 ± 6 | <0.001 | 8.5 (5.6 to 11.3) |
| Anxiety (PASS-20) (points) | 33 ± 27 | 15 ± 15 | <0.001 | 17.8 (10.7 to 25) |
| Posttraumatic stress disorder (PCL-C) (points) | 35 ± 15 | 25 ± 9 | <0.001 | 9.7 (5.7 to 13.7) |
| Depression (CES-D) (points) | 18 ± 11 | 9 ± 7 | <0.001 | 8.8 (5.6 to 11.9) |
| Pain at rest (NRS) (points) | 4.0 ± 2.4 | 1.3 ± 1.9 | <0.001 | 2.6 (1.9 to 3.4) |
| Pain with activity (NRS) (points) | 6.2 ± 2.0 | 3.1 ± 2.4 | <0.001 | 3.1 (2.2 to 3.9) |
| Disability (SMFA) (points) | 40 ± 9 | 24 ± 8 | <0.001 | 28.3 (17.1 to 39.5) |

*The values are given as the mean and the standard deviation. †Significance was set at $p < 0.05$. ‡The values are given as the difference, with the 95% CI in parentheses.