

Supplemental Table 3: Self-reported side effects in the last 7 days at days 7 through 28 of follow-up following joint, bone or spine surgery.

| | Day 7 | | | Day 14 | | | Day 21 | | | Day 28 | | |
|--|----------|---------|---------|---------|---------|----------------------|---------|---------|----------------------|---------|---------|---------|
| | Class 1 | Class 2 | Class 3 | Class 1 | Class 2 | Class 3 | Class 1 | Class 2 | Class 3 | Class 1 | Class 2 | Class 3 |
| Number of subjects | 322 | 9 | 67 | 291 | 7 | 62 | 249 | 66 | 56 | 215 | 6 | 52 |
| Opioid related side effects n(%) | | | | | | | | | | | | |
| Dizziness | 73 (23) | 0 (0) | 24 (36) | 48 (16) | 1 (14) | 15 (24) | 31 (12) | 1 (17) | 13 (23) | 11 (5) | 0 (0) | 6 (11) |
| Nausea | 62 (19) | 0 (0) | 22 (33) | 28 (10) | 1 (14) | 15 (24) [†] | 23 (9) | 2 (33) | 14 (25) [†] | 9 (4) | 0 (0) | 8 (15) |
| Vomiting | 18 (6) | 0 (0) | 2 (3) | 3 (1) | 0 (0) | 0 (0) | 3 (1) | 0 (0) | 0 (0) | 2 (1) | 0 (0) | 0 (0) |
| Constipation | 153 (47) | 7 (78) | 39 (58) | 75 (26) | 2 (28) | 28 (45) | 45 (18) | 1 (17) | 21 (38) [†] | 31 (14) | 1 (17) | 12 (23) |
| Difficulty urinating | 13 (4) | 0 (0) | 8 (12) | 6 (2) | 1 (14) | 5 (8) | 5 (2) | 0 (0) | 1 (2) | 2 (1) | 0 (0) | 2 (4) |
| Abdominal discomfort | 48 (15) | 2 (22) | 19 (28) | 30 (10) | 4 (57) | 7 (11) | 28 (11) | 1 (17) | 9 (16) | 12 (6) | 1 (17) | 8 (15) |
| Drowsiness | 154 (48) | 5 (56) | 43 (64) | 96 (33) | 3 (43) | 30 (48) | 59 (24) | 1 (17) | 22 (39) | 37 (17) | 3 (50) | 18 (35) |
| Sleeplessness | 133 (41) | 3 (33) | 34 (51) | 83 (28) | 2 (28) | 20 (32) | 44 (18) | 1 (17) | 15 (27) | 27 (13) | 2 (33) | 11 (21) |
| Pruritus | 55 (17) | 2 (22) | 22 (33) | 43 (15) | 1 (14) | 10 (16) | 23 (9) | 1 (17) | 9 (16) | 20 (9) | 1 (17) | 12 (23) |
| Mood Changes | 34 (11) | 1 (11) | 11 (16) | 31 (11) | 0 (0) | 7 (11) | 18 (7) | 1 (17) | 6 (11) | 12 (6) | 0 (0) | 8 (15) |
| Unscheduled contact with health care system n(%) | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|----------------|--------|--------|----------------------|--------|-------|--------|--------|--------|--------|--------|-------|--------|
| Provider | 24 (7) | 2 (22) | 14 (21) [†] | 27 (9) | 0 (0) | 8 (13) | 21 (8) | 1 (17) | 6 (11) | 13 (5) | 0 (5) | 5 (10) |
| Emergency room | 5 (1) | 1 (11) | 0 (0) | 2 (1) | 0 (0) | 2 (3) | 1 (1) | 0 (0) | 0 (0) | 1 (1) | 0 (0) | 0 (0) |

Data presented as count(% of column). [†] = different from Trajectory 1, *P*=0.05 corrected for multiple comparisons.