

# Supplementary Materials:

Table S1. Descriptive Statistics for the Sample

|                                             | Total Sample<br>(N=193) (%) | With Opioid Prescription<br>(N=37) (%) | Without Opioid<br>Prescription (N=156) (%) |
|---------------------------------------------|-----------------------------|----------------------------------------|--------------------------------------------|
| Age 65+                                     | 61 (31.61)                  | 17 (45.95)                             | 44 (28.21)                                 |
| Age 41-65                                   | 89 (46.11)                  | 16 (43.24)                             | 73 (46.79)                                 |
| Age 20-40                                   | 43 (22.28)                  | 4 (10.81)                              | 39 (25)                                    |
| Male                                        | 178 (92.23)                 | 32 (86.49)                             | 146 (93.59)                                |
| Female                                      | 15 (7.77)                   | 5 (13.51)                              | 10 (6.41)                                  |
| Prescribed Opioid                           | 37 (19.17)                  | 37 (100.00)                            | 0 (0.00)                                   |
| Antibiotic use                              | 48 (24.87)                  | 14 (37.84)                             | 34 (21.79)                                 |
| Substance Use                               | 69 (35.75)                  | 20 (54.05)                             | 49 (31.41)                                 |
| Localized Pain                              | 91 (47.15)                  | 16 (43.24)                             | 75 (48.08)                                 |
| Married                                     | 106 (54.92)                 | 14 (37.84)                             | 92 (58.97)                                 |
| With job                                    | 96 (47.63)                  | 13 (35.14)                             | 83 (53.21)                                 |
| Elevated CRP                                | 7 (3.62)                    | 1 (2.70)                               | 6 (3.85)                                   |
| Elevated ESR                                | 3 (1.55)                    | 0 (0.00)                               | 3 (1.92)                                   |
| Presence of PTSD                            | 73 (37.82)                  | 14 (37.84)                             | 59 (37.82)                                 |
| Had CBT                                     | 73 (37.82)                  | 17 (45.95)                             | 56 (35.90)                                 |
| Had PT/OT                                   | 69 (35.75)                  | 14 (37.84)                             | 55 (35.26)                                 |
| Had Acupuncture                             | 30 (15.54)                  | 3 (8.11)                               | 27 (17.31)                                 |
| Had Invasive Procedure                      | 97 (50.25)                  | 16 (43.24)                             | 81 (51.92)                                 |
| BMI, Average                                | 29.98                       | 30.65                                  | 29.82                                      |
| Pain Severity, (Average<br>score from 1-10) | 3.85                        | 4.01                                   | 3.94                                       |

CRP= C-reactive protein, ESR= Erythrocyte Sedimentation Rate, PTSD= Post-traumatic stress disorder, CBT= Cognitive Behavioral Therapy, PT= Physical therapy, OT= Occupational therapy, BMI= Body Mass Index.

Table S2. Analysis of maximum likelihood estimates

| Parameter | DF | Estimate | OR (CL) | Standard<br>Error | Wald<br>Chi-<br>Square | Pr > ChiSq |
|-----------|----|----------|---------|-------------------|------------------------|------------|
|-----------|----|----------|---------|-------------------|------------------------|------------|

|                             |   |         |                         |        |         |        |
|-----------------------------|---|---------|-------------------------|--------|---------|--------|
| <b>Intercept</b>            | 1 | 2.3260  | .                       | 0.6191 | 14.1169 | 0.0002 |
| <b>Gender</b>               | 1 | -1.1027 | 0.332 (0.094,<br>1.167) | 0.6413 | 2.9569  | 0.0855 |
| <b>Antibiotics</b>          | 1 | -0.5174 | 0.596 (0.260,<br>1.366) | 0.4232 | 1.4944  | 0.2215 |
| <b>Substance Use</b>        | 1 | -1.0449 | 0.352 (0.162,<br>0.761) | 0.3940 | 7.0322  | 0.0080 |
| <b>Vocation</b>             | 1 | 0.9419  | 2.565 (1.134,<br>5.799) | 0.4163 | 5.1196  | 0.0237 |
| <b>Non-Opioid Treatment</b> | 1 | -0.6882 | 0.502 (0.167,<br>1.509) | 0.5610 | 1.5047  | 0.2199 |