**Supplemental Digital Content 4.** Prescription of oxycodone for sciatica and Celebrex for osteoarthritis by physician perceptions and opinions

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|  | **Oxyxodone for sciatica** | **Celebrex for OA** |
|  | **N** | **Proportion** | **P-value** | **N** | **Proportion** | **P-value** |
| Clinical guidelines affected decisions made |  |  |  |  |  |  |
|  No | 32 | 0.22 | 0.74 | 34 | 0.65 | 0.22 |
|  Yes | 62 | 0.18 |  | 57 | 0.48 |  |
| Pressure to keep patients happy |  |  |  |  |  |  |
|  Never/Rarely | 22 | 0.20 | 0.99 | 27 | 0.60 | 0.77 |
|  Sometimes | 57 | 0.20 |  | 42 | 0.50 |  |
|  Often/Always | 16 | 0.19 |  | 23 | 0.55 |  |
| Patients request medications |  |  |  |  |  |  |
|  Never/Rarely | 24 | 0.30 | 0.60 | 15 | 0.76 | 0.12 |
|  Sometimes | 47 | 0.15 |  | 44 | 0.56 |  |
|  Often/Always | 24 | 0.20 |  | 33 | 0.40 |  |
| Practice type |  |  |  |  |  |  |
|  Family practitioner | 48 | 0.24 | 0.47 | 47 | 0.61 | 0.25 |
|  Internist | 43 | 0.15 |  | 43 | 0.43 |  |
| International medical graduate |  |  |  |  |  |  |
|  No | 46 | 0.23 | 0.44 | 64 | 0.55 | 0.87 |
|  Yes | 49 | 0.14 |  | 27 | 0.50 |  |
|  | **N** | **Slope** | **P-value** | **N** | **Slope** | **P-value** |
| Opinion on usefulness of clinical guidelines in patient carea | 94 | 0.05 | 0.50 | 94 | 0.06 | 0.48 |
| Invites more patient involvement in decision makingb | 95 | 0.01 | 0.85 | 95 | -0.007 | 0.86 |
| Financially affected by loss of patientsb | 93 | -0.03 | 0.08 | 93 | 0.001 | 0.94 |
| Personally responsible for financial survival of practicea | 95 | -0.04 | 0.42 | 95 | -0.13 | **0.05** |
| Worry about lawsuitsb | 95 | -0.03 | 0.20 | 95 | -0.01 | 0.58 |
| Frustration with patients medication requestsa | 95 | -0.07 | 0.40 | 95 | -0.11 | 0.21 |
| Perceived administrative or bureaucratic constraintsb | 94 | 0.01 | 0.56 | 95 | -0.04 | 0.14 |
| Perceived intrusion on clinical decisionsc | 95 | 0.05 | 0.58 | 95 | -0.19 | **0.05** |
| Worklife perceptionsd |  |  |  |  |  |  |
|  Inadequate autonomy | 95 | 0.14 | 0.23 | 95 | -0.19 | 0.15 |
|  Better patient care relationships | 95 | -0.14 | 0.06 | 95 | 0.16 | 0.06 |
|  Inadequate personal time  | 95 | 0.02 | 0.76 | 95 | -0.05 | 0.44 |
|  Inadequate compensation | 95 | 0.03 | 0.66 | 95 | -0.20 | **0.01** |
|  Freedom from administrative work | 95 | -0.01 | 0.83 | 95 | 0.12 | 0.08 |
|  Job dissatisficaiton  | 95 | -0.13 | 0.13 | 95 | -0.11 | 0.26 |
|  Career dissatisfication | 95 | 0.12 | 0.09 | 95 | -0.16 | 0.06 |

a 5-point Likert scale

b 0-10 scale

c by insurance companies, the government, the medical profession, the organization, and the practice, on a 5-point Likert scale

d Konrad worklife scales