

Appendix Table 3: Bootstrapping, early opioid use

Initial Provider	n	OR (95% CI) bootstrapping	Early use, OR (95% CI)
Physical therapy	200	0.15 (0.13, 0.17)	0.15 (0.13,0.17)
Chiropractor	200	0.10 (0.09, 0.10)	0.10 (0.09,0.10)
Acupuncture	200	0.09 (0.07, 0.12)	0.09 (0.07,0.12)
Orthopedics	200	0.63 (0.60, 0.67)	0.63 (0.60,0.67)
Emergency Medicine	200	2.66 (2.54, 2.78)	2.66 (2.54,2.78)
Neurosurgeon	200	0.57 (0.48, 0.69)	0.58 (0.47,0.71)
MD Other	200	0.50 (0.46, 0.54)	0.50 (0.46,0.54)
Radiology	200	0.70 (0.67, 0.73)	0.70 (0.67,0.73)
Rehab	200	0.54 (0.49, 0.59)	0.54 (0.49,0.59)
Other	200	0.81 (0.76, 0.87)	0.81 (0.76,0.87)

Appendix Table 3 Legend: Bootstrapping is a resampling technique that allows assigning of accuracy. The estimates reported using bootstrapping methods listed in this table indicate little or no differences with the actual results.