Supplemental Figure 1: PRISMA Flow Diagram

Reasons for exclusion

(topics other than 6 chosen)

 - 195 studies only dealt with risks and outcomes related to opioids (no intervention /treatment)

- 56 studies unrelated topic (opioid users were excluded, pediatric pts)

- 37 studies where surgery itself was the intervention that decreased opioids (no other comparison)

Records screened (title/abstract)
(n = 439)

TOPIC 6: Opioid Use Disorder
(n = 9)

TOPIC 5: Opioid Management
(n = 8)

TOPIC 3: Pain Consultation
(n = 0)

TOPIC 2: Psych Optimization
(n = 0)

TOPIC 4: Use of MMA
(n = 32)

TOPIC 1: Education/Expectation
(n = 1)

Additional records identified through other sources
(n = 24)

Studies included in qualitative synthesis
(n = 50)

Full-text articles excluded, with reasons
(n = 288)

Full-text articles assessed for eligibility
(n = 338)

Duplicates removed

(n = 101)

Records identified through database searching
(n = 1820)