**Supplemental Content 10. Total MME prescribed within days 0-6 of surgery in 2019 among patients prescribed an opioid alone, combination opioid alone, opioid and non-opioid analgesic, or combination and non-opioid analgesic, stratified by procedure type**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Total Morphine Equivalent Dose; Median (IQR) | | | |
|  | Opioid & Non-Opioid | Opioid Alone | Combination Opioid Alone | Combination Opioid + Non-Opioid |
| **Low Anticipated Paina** | | | | |
| **Abdominal wall hernia repair** | 40 (40, 60) | 60 (40, 100) | 90 (67.5, 135) | 112.5 (75, 135) |
| **Appendectomy** | 40 (40, 56) | 56 (40, 80) | 75 (56.25, 112.5) | 71.25 (56.25, 112.5) |
| **Laparoscopic Cholecystectomy** | 40 (40, 50) | 50 (40, 80) | 90 (67.5, 135) | 75 (52.5, 135) |
| **Laparoscopic Colectomy** | 60 (40, 110) | 60 (40, 80) | 90 (75, 135) | 93.75 (93.75, 93.75) |
| **Partial mastectomy** | 40 (38.75, 50) | 50 (40, 80) | 90 (56.25, 135) | 67.5 (45, 135) |
| **Radical prostatectomy** | 60 (40, 80) | 60 (40, 80) | 108 (67.5, 150) | 67.5 (67.5, 67.5) |
| **Thyroidectomy** | 50 (40, 75) | 80 (60, 120) | 112.5 (67.5, 135) | 135 (67.5, 187.5) |
| **Moderate Anticipated Paina** | | | | |
| **Abdominal Hysterectomy** | 56 (40, 60) | 72 (56, 90) | 135 (112.5, 150) | 126 (75, 180) |
| **Lap or Vaginal Hysterectomy** | 60 (40, 80) | 75 (40, 125) | 112.5 (90, 135) | 90 (75, 135) |
| **Open Cholecystectomy** | 100 (40, 120) | 80 (56, 100) | 75 (67.5, 90) | 75 (75, 75) |
| **Open Colectomy** | 48 (40, 75) | 60 (40, 120) | 90 (75, 135) | - |
| **Simple Mastectomy** | 40 (40, 80) | 112.5 (75, 150) | 112.5 (75, 135) | 112.5 (67.5, 225) |
| **High Anticipated Paina** | | | | |
| **Coronary artery bypass graft (CABG)** | 150 (80, 160) | 120 (60, 160) | 225 (108.75, 247.5) | 262.5 (150, 300) |
| **Hip replacement** | 240 (180, 400) | 320 (200, 480) | 300 (225, 450) | 270 (150, 450) |
| **Knee joint replacement** | 300 (200, 480) | 350 (240, 525) | 300 (191.25, 450) | 420 (225, 450) |

**a**Defined using procedure-specific prescribing recommendations for patients without preoperative opioid use.9 Procedures were classified as “Low”, “Medium” or “High” expected pain if 5-10, 15-20, or 25-50 oxycodone immediate-release 5mg tablets were recommended, respectively