

Appendix 1. Percent of Patients With Intraoperative and Postoperative Surgical Complications

| Surgical Complications | % of Hysterectomy patients | |
|-------------------------|----------------------------|-----------------------------------------|
| | Intraoperative | Postoperative (60 days follow-up) |
| Lysis of adhesion | 3.8% | 0.2% |
| Bowel injury | 4.2% | 1.3% |
| Ureteral injury | 1.8% | 7.6% |
| Acute renal failure | 0.1% | 0.3% |
| Urinary tract infection | 0.4% | 6.8% |
| Shock or Sepsis | <.01% | <.01% |
| Wound disruption | 0.1% | 0.9% |
| Postoperative Infection | 0.1% | 1.9% |
| CPR | <.01% | <.01% |
| Unplanned intubation | <.01% | <.01% |
| Prolonged Intubation | <.01% | <.01% |

Young JC, Wu JM, Willis-Gray M, Pate V, Funk MJ. Persistent opioid use after hysterectomy in the United States, 2005–2015. *Obstet Gynecol* 2020;135.

The authors provided this information as a supplement to their article.

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Appendix 2. Percent of Patients With Continuing Opioid Fills Occurring in Monthly Time Windows After Hysterectomy, by Initial Opioid Prescribed

| Postoperative Period | All N=331,322 | Oxycodone N=149,444 | Hydrocodone N=129,627 | Other N=52,251 |
|-----------------------------|--------------------------|--------------------------------|----------------------------------|---------------------------|
| | Percent (95% CI) | | | |
| Perioperative Fill | 100 (100,100) | 100 (100,100) | 100 (100,100) | 100 (100,100) |
| 1 - 30 Follow-up | 14.19 (14.06,14.31) | 11.78 (11.61,11.95) | 16.54 (16.33,16.75) | 15.26 (14.94,15.58) |
| 31 - 60 Follow-up | 1.40 (1.36,1.44) | 1.08 (1.02,1.13) | 1.69 (1.62,1.76) | 1.61 (1.50,1.72) |
| 61 - 90 Follow-up | 0.34 (0.31,0.36) | 0.24 (0.22,0.27) | 0.41 (0.37,0.44) | 0.42 (0.36,0.48) |
| 91 - 120 Follow-up | 0.15 (0.13,0.16) | 0.10 (0.08,0.12) | 0.18 (0.15,0.20) | 0.20 (0.16,0.24) |
| 121 - 150 Follow-up | 0.09 (0.08,0.10) | 0.06 (0.05,0.07) | 0.10 (0.08,0.12) | 0.14 (0.11,0.18) |
| 151 - 180 Follow-up | 0.06 (0.05,0.07) | 0.04 (0.03,0.06) | 0.07 (0.05,0.09) | 0.11 (0.07,0.14) |
| 181 - 210 Follow-up | 0.05 (0.04,0.06) | 0.04 (0.02,0.05) | 0.06 (0.04,0.08) | 0.08 (0.05,0.11) |
| 211 - 240 Follow-up | 0.04 (0.03,0.05) | 0.03 (0.02,0.04) | 0.05 (0.03,0.06) | 0.06 (0.04,0.09) |
| 241 - 270 Follow-up | 0.04 (0.03,0.04) | 0.02 (0.01,0.03) | 0.04 (0.03,0.05) | 0.05 (0.03,0.08) |
| 271 - 300 Follow-up | 0.03 (0.02,0.04) | 0.02 (0.01,0.03) | 0.04 (0.03,0.05) | 0.05 (0.02,0.07) |
| 301 - 330 Follow-up | 0.03 (0.02,0.03) | 0.02 (0.01,0.03) | 0.03 (0.02,0.04) | 0.04 (0.02,0.06) |
| 331 - 365 Follow-up | 0.02 (0.01,0.03) | 0.02 (0.01,0.03) | 0.02 (0.01,0.04) | 0.03 (0.01,0.05) |

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Appendix 3. Percent of Patients With Continuing Opioid Fills Occurring in Monthly Time Windows After Hysterectomy, by Intraoperative or Postoperative Complication

| Perioperative Fill | Intraoperative Complication | | Postoperative Complications* | |
|---------------------------|-----------------------------|--------------------|------------------------------|---------------------|
| | Yes | No | Yes | No |
| Total number of Patients | 32,650 | 360,447 | 37,758 | 355,339 |
| % with Perioperative Fill | 26,946 (82.5%) | 304,376 (84.4%) | 31,731 (84.0%) | 299,591 (84.3%) |
| Postoperative Period | Percent (95% CI) | | | |
| Perioperative Fill | 100 (100,100) | 100 (100,100) | 100 (100,100) | 100 (100,100) |
| 1 - 30 Follow-up | 18.28 (17.8,18.76) | 13.83 (13.7,13.96) | 20.52 (20.04,20.99) | 13.56 (13.44,13.69) |
| 31 - 60 Follow-up | 1.92 (1.74,2.10) | 1.35 (1.31,1.40) | 2.65 (2.45,2.84) | 1.28 (1.24,1.32) |
| 61 - 90 Follow-up | 0.45 (0.36,0.53) | 0.33 (0.30,0.35) | 0.69 (0.58,0.79) | 0.30 (0.28,0.32) |
| 91 - 120 Follow-up | 0.22 (0.15,0.28) | 0.14 (0.13,0.15) | 0.31 (0.24,0.38) | 0.13 (0.12,0.15) |
| 121 - 150 Follow-up | 0.14 (0.09,0.19) | 0.08 (0.07,0.10) | 0.19 (0.13,0.25) | 0.08 (0.07,0.09) |
| 151 - 180 Follow-up | 0.11 (0.06,0.15) | 0.06 (0.05,0.07) | 0.12 (0.08,0.17) | 0.06 (0.05,0.07) |
| 181 - 210 Follow-up | 0.06 (0.02,0.09) | 0.05 (0.04,0.06) | 0.11 (0.06,0.15) | 0.05 (0.04,0.06) |
| 211 - 240 Follow-up | 0.04 (0.01,0.07) | 0.04 (0.03,0.05) | 0.09 (0.04,0.13) | 0.04 (0.03,0.04) |
| 241 - 270 Follow-up | 0.02 (0,0.05) | 0.04 (0.03,0.04) | 0.08 (0.04,0.13) | 0.03 (0.02,0.04) |
| 271 - 300 Follow-up | 0.03 (0,0.05) | 0.03 (0.02,0.04) | 0.08 (0.03,0.12) | 0.03 (0.02,0.04) |
| 301- 330 Follow-up | 0.01 (-0.01,0.02) | 0.03 (0.02,0.03) | 0.06 (0.02,0.10) | 0.02 (0.01,0.03) |
| 331 - 365 Follow-up | 0.01 (-0.01,0.02) | 0.02 (0.02,0.03) | 0.06 (0.02,0.10) | 0.02 (0.01,0.02) |

*within 60 days of surgery