

Improving Medication Adherence after Surgery

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Disclosures

None



Objectives

Analyze how prescribing recommendations changed the use and consumption of opioid prescriptions after discharge from surgery

Examine techniques to promote adherence of non-opioid medications to manage pain

Discuss strategies to maximize safe storage and disposal of controlled substances

SECTION

Introductions





Meet the Leaders hip.



Mark Bicket, MD, PhD



Jennifer Waljee, MD, MPH, MS



Chad Brummett, MD



Michael Englesbe, MD





OPEN is a transformative organization focused on evidence-based solutions with resources, engagement, and actions to change the way we care for acute pain.



Improve acute care treatment, outcomes and overall community health



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Reducing, eliminating unnecessary opioid exposures



Improve acute care treatment, outcomes and overall community health







Improving prescribing and substance use knowledge



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Reducing, eliminating unnecessary opioid exposures



Improving prescribing and substance use knowledge



Increasing awareness, use of best practices, and access to resources



Our Initiatives



Opioid Prescribing Recommendation s



Acute Care Pain Management



Safe Storage & Disposal



Public Health Policy



OUD/SUD Care Coordination



Naloxone Distribution



S tigma R eduction



Painless: The Opioid Musical



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SECTION

Opioid Prescribing Recommendations



























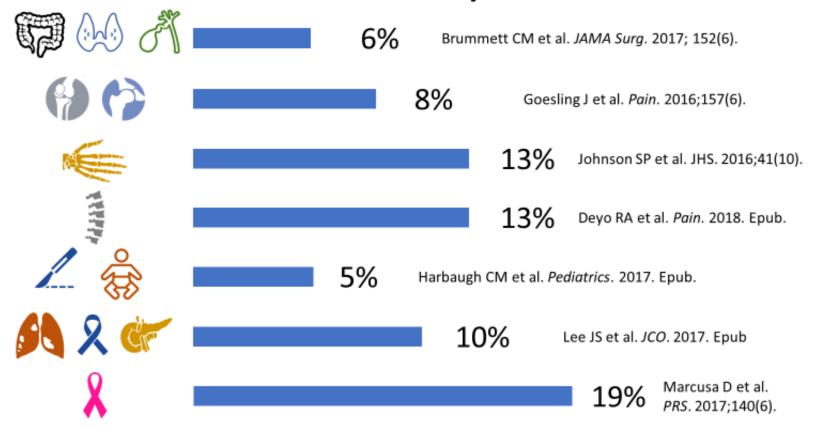


What happens when we prescribe too much?





New Persistent Opioid Use



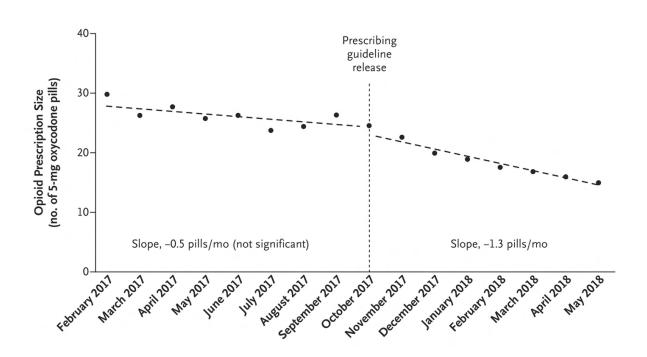


The amount of opioid prescribed after surgery was not associated with patient <u>satisfaction</u> or <u>refill</u> rate

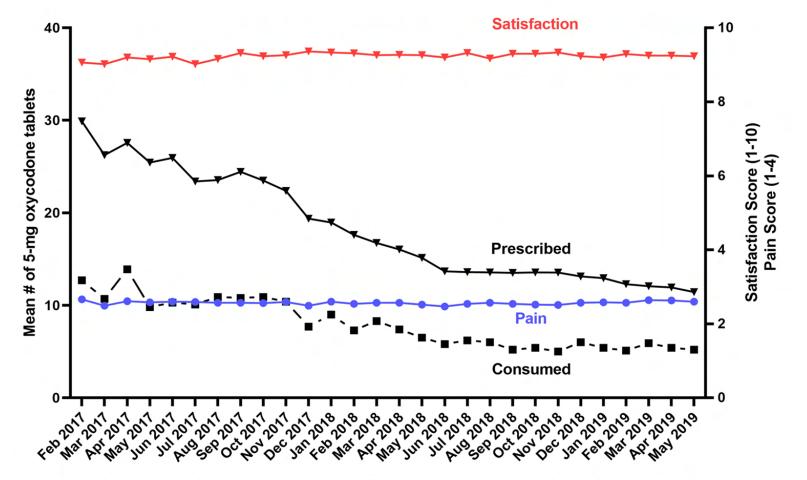




First Prescribing Guideline Released in 2017





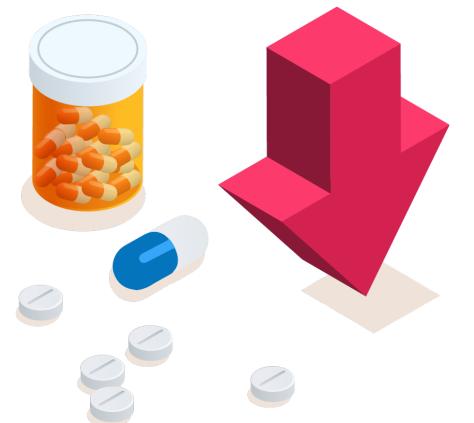


Vu JV, Howard RA, Gunaseelan V, Brummett CM, Waljee JF, Englesbe MJ. N Engl J Med. 2019;381(7):680-682. Brown CS, Vu JV, Howard RA, Gunaseelan V, Brummett CM, Waljee JF, Englesbe ME. BMJ Qual & Safety. 2020, epub



76 %

Since establishing these guidelines, opioid prescribing after surgery has declined.





Prescribing Recommendations – Updated 2022

Procedure	Oxycodone* 5mg tablets
Dental Extraction	0
Anti-reflux (Nissen) - Lap	0 - 5
Enterolysis - Lap	0 - 5
Excision of Rectal Tumor - Transanal	0 - 5
Thyroidectomy	0 - 5
Appendectomy - Lap or Open	0 - 10
Cholecystectomy - Lap or Open	0 - 10
Colectomy - Lap or Open	0 - 10
Donor Nephrectomy - Lap	0 - 10
Enterostomy Closure - Lap	0 - 10
Gastrorrhaphy	0 - 10
Hernia Repair - Major or Minor	0 - 10
Ileostomy/Colostomy Creation, Re-siting, or Closure	0 - 10
Pancreatectomy	0 - 10
Sleeve Gastrectomy	0 - 10

Procedure	Oxycodone* 5mg tablets
Small Bowel Resection or Enterolysis - Open	0 - 10
Carotid Endarterectomy	0 - 5
Prostatectomy	0 - 10
Cardiac Surgery via Median Sternotomy	0 - 25
Hysterectomy - Vaginal or Lap/Robotic or Abdominal	0 - 10
Cesarean Section	0 - 20
Breast Biopsy or Lumpectomy	0 - 5
Lumpectomy + Sentinel Lymph Node Biopsy	0 - 5
Sentinel Lymph Node Biopsy Only	0 - 5
Wide Local Excision ± Sentinel Lymph Node Biopsy	0 - 20
Simple Mastectomy ± Sentinel Lymph Node Biopsy	0 - 20
Modified Radical Mastectomy or Axillary Lymph Node Dissection	0 - 30
Total Hip Arthroplasty	0 - 30
Total Knee Arthroplasty	0 - 50

2017 - 10 Procedures

5 Iterations

2022 - 35 Procedures

^{*}If prescribing hydrocodone 5mg, the number of tablets remain the same as listed above



Pediatric Prescribing Recommendations

Procedure	Dose of Opioid
Dental Extraction	0
Adenoidectomy	0
Appendectomy	0
Inguinal or Umbilical Hernia	0
Circumcision	0
Orchiopexy	0
Supracondylar Humerus Fracture	0

O doses opioid + acetaminophen + ibuprofen + non-medication <u>strategies</u>

SECTION

Non-Opioid Medication Adherence





ACETAMINOPHEN + NSAIDs

Acetaminophen and NS AIDs should be used together as first-line medications for postoperative pain in surgical patients without contraindications

Alternating medications has **not** shown to be more effective than taking together

Provide instruction with dosage, directions, and around the clock administration



Instead of...

You will have some pain after surgery ...

Try...

Pain is worst 2-3 days after surgery and medication is only one part of the plan.

The goal of pain management is for you to walk, eat, breathe deeply, and sleep



Instead of...

Take opioid medication every 6 hours for pain ...

Try...

Only use opioid medication for SEVERE breakthrough pain that is not controlled by acetaminophen and ibuprofen



Instead of...

Use OTC medications as needed for pain

Try...

Take around the clock for the first 3-5 days after surgery and then as needed



Instead of...

Follow directions on bottle for OTC medications

Try...

PRESCRIBE

acetaminophen 1000 mg every 6 hours

and

ibuprofen 600 mg every 6 hours

unless contraindicated



Patient Education on Opioids and Pain Management

Customizable brochure with your institution's logo, add logo at no cost







How to Manage Pain Without Medications

SCAN ME

Mindful breathing

Positive daily reflection

Meditation

Walking



SECTION

Safe Storage and Disposal











Remove risk of unnecessary exposure in the community.

OPEN supports: Take Back Events

Disposal Education and Awareness

Increased Access to Permanent Disposal Options



Medication Disposal Box Program

Permanent medication disposal boxes

Available to communities in the state of Michigan

Promote safe disposal of unused medications

Apply for a fully-funded box for your organization





Pediatric Medication Disposal Envelopes

Mail back disposal envelopes

Inserting unused medication into the 7.5 x 11 envelope

Secure and mail in pre-paid package

Available to organizations caring for pediatric patients in the state of Michigan





Wrap Up

Prescribing recommendations lead to positive changes in the use and consumption of opioid prescriptions after discharge from surgery

Language and resources help to promote adherence of non-opioid medications to manage pain

Several strategies to maximize safe storage and disposal of controlled substances exist via OPEN and in your community



Thank You.





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