Best Practices in Opioid Prescribing and Pain Management After Surgery

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Beth Seese Program Director



Our Goals





Reduce Opioid Use



Eliminate unnecessary opioid exposures



Educate Providers,
Patients and
Communities

Our Initiatives





Prescribing Recommendations



Community Outreach



Naloxone

Transitions of Care



Dentistry



Opioid Use Disorder





Painless: The Opioid Musical



Educate Providers,
Patients and Communities



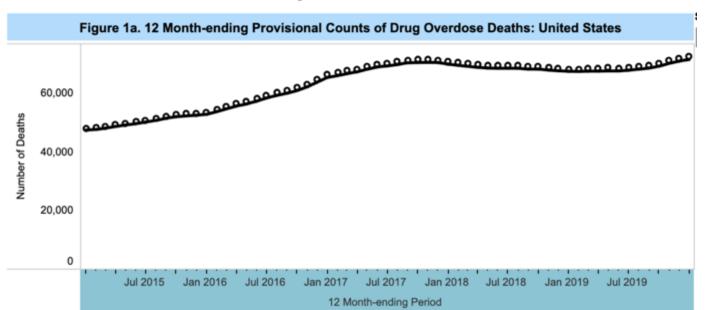
Inform Policy

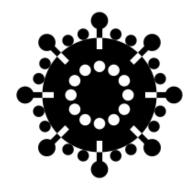
michigan-open.org



National Center for Health Statistics

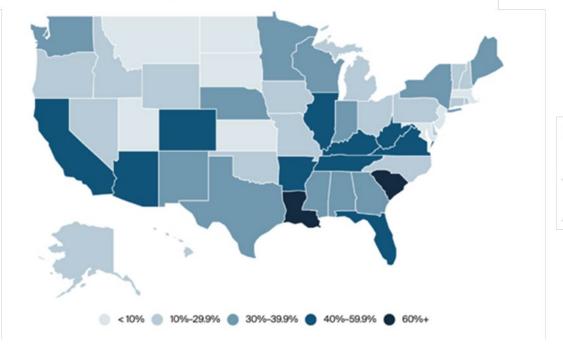
Based on data available for analysis on: 8/2/2020





National Center for Health Statistics

Estimated percent increase in overdose deaths, January-August 2020 vs. January-August 2019





Nearly 841,000 people have died since 1999 from a drug overdose.

In 2019, 70,630 drug overdose deaths occurred in the United States.

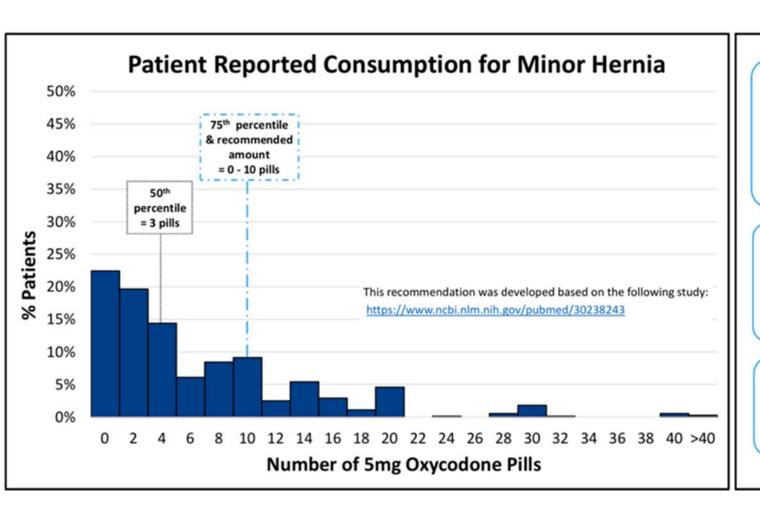
In 2020, drug overdose deaths rose by 18%.



NATIONAL POLL ON HEALTHY AGING UNIVERSITY OF MICHIGAN





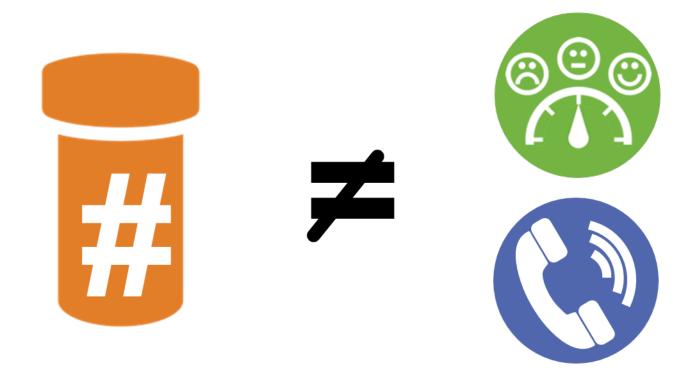


723
opioid naïve patients

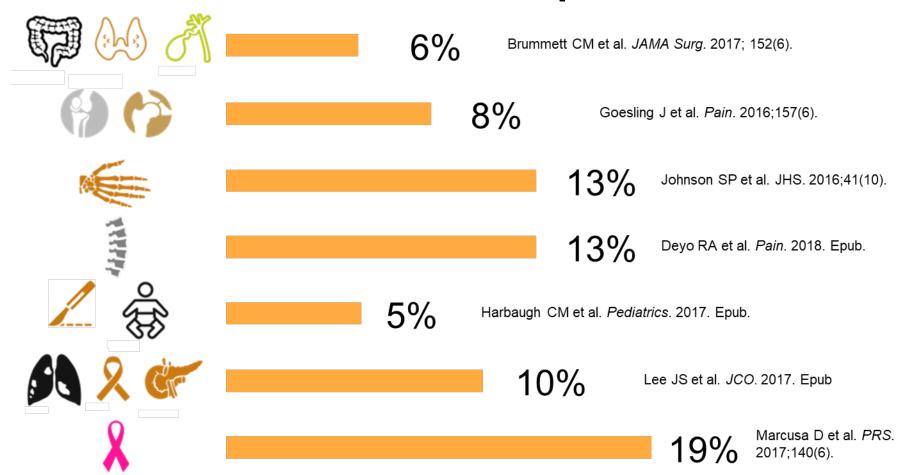
28
hospitals

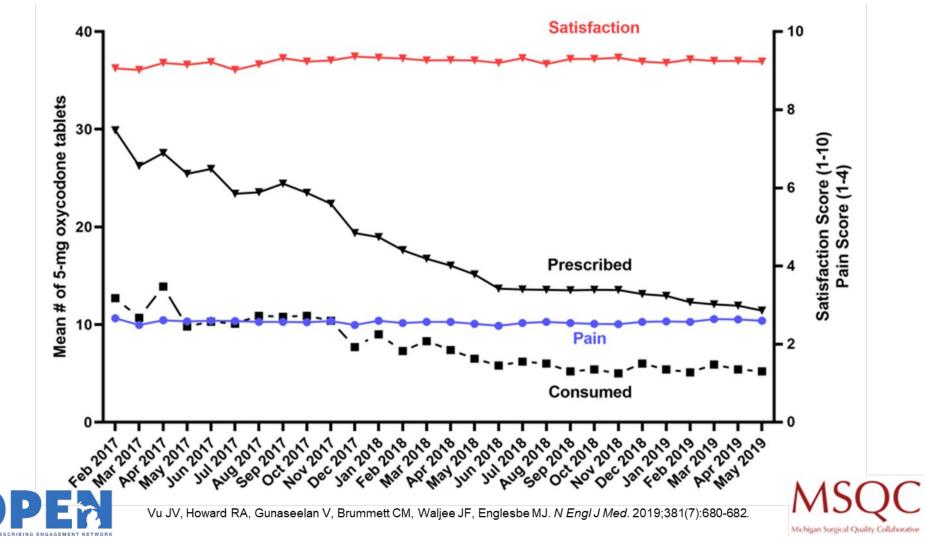
to
May 31, 2018

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



New Persistent Opioid Use





Prescribing Recommendations UPDATED 2019

Procedure	Oxycodone* 5mg tablets	Procedure	Oxycodone* 5mg tablets
Dental Extraction	0	Carotid Endarterectomy	0 - 10
Thyroidectomy	0 - 5	Cardiac Surgery via Median Sternotomy	0 - 15
Laparoscopic Anti-reflux (Nissen)	0 - 10	Cesarean Section	0 - 15
Appendectomy – Lap or Open	0 - 10	Hysterectomy – Vaginal, Lap/Robotic, or Abdominal	0 - 15
Laparoscopic Donor Nephrectomy	0 - 10	Breast Biopsy or Lumpectomy	0 - 5
Hernia Repair – Major or Minor	0 - 10	Lumpectomy + Sentinel Lymph Node Biopsy	0 - 5
Sleeve Gastrectomy	0 - 10	Sentinel Lymph Node Biopsy Only	0 - 5
Laparoscopic Cholecystectomy	0 - 10	Wide Local Excision ± Sentinel Lymph Node Biopsy	0 - 20
Open Cholecystectomy	0 - 15	Simple Mastectomy ± Sentinel Lymph Node Biopsy	0 - 20
Colectomy – Lap or Open	0 - 15	Modified Radical Mastectomy or Axillary Lymph Node Dissection	0 - 30
lleostomy/Colostomy Creation, Re-siting, or Closure	0 - 15	Total Hip Arthroplasty	0 - 30
Open Small Bowel Resection or Enterolysis	0 - 20	Total Knee Arthroplasty	0 - 50
Prostatectomy	0 - 10		



Resources





Provider Resources

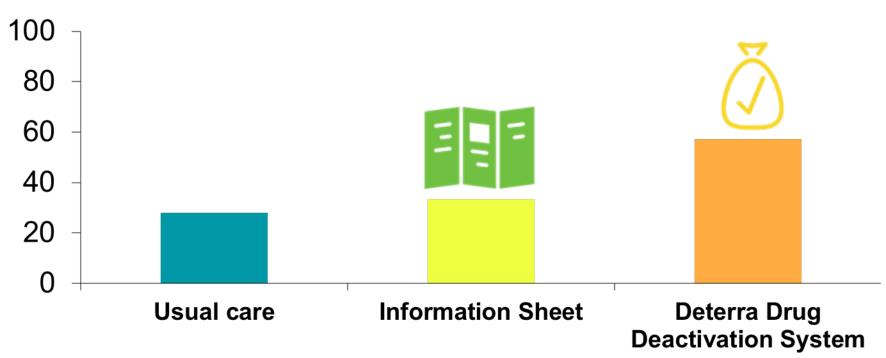
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Prescribing
Recommendations





Activated Charcoal Bag for In-Home Disposal Increased Self-Reported Opioid Disposal after Surgery



Brummett CM, Steiger R, Englesbe MJ, Khalsa C, DeBlanc JJ, Denton LR. Waljee JF. Effect of an Activated Charcoal Bag on Disposal of Unused Opioids After an Outpatient Surgical Procedure: A Randomized Clinical Trial. JAMA Surgery. 2019

Postop Prescribing Practices Influence Outcomes



Patient Satisfaction and Pain Control Using an Opioid-Sparing Postoperative Pathway



Healthy patients undergoing common surgical procedures



Counseled to use non-opioids as primary regimen



Provided small "rescue" prescription A of oxycodone



Median Opioid Pills Used = 0



Median Opioid Pills Leftover = 2

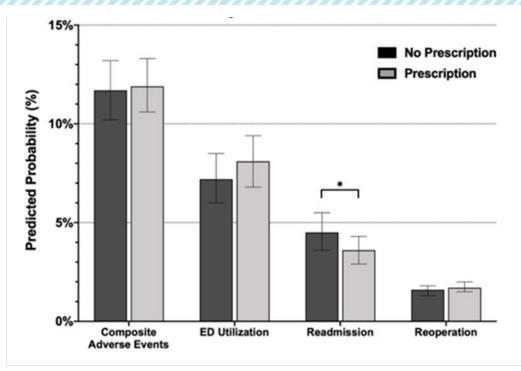


Median Pain Score = **Minimal** (none/minimal/moderate/severe)



Median Satisfaction (1-10) = **10**

Opioid Free Surgery Does Not Increase Complications





Howard RA, Brown CS, Lai Y, Gunaseelan V, Brummett CM, Englesbe M, Waljee JF, Bicket M. The Association of Postoperative Opioid Prescriptions with Patient Outcomes. Annals of Surgery. 2021

Who is 'high-risk'?



>50MME



Past history of SUD & OUD



Hx of or current MAT



Active recovery

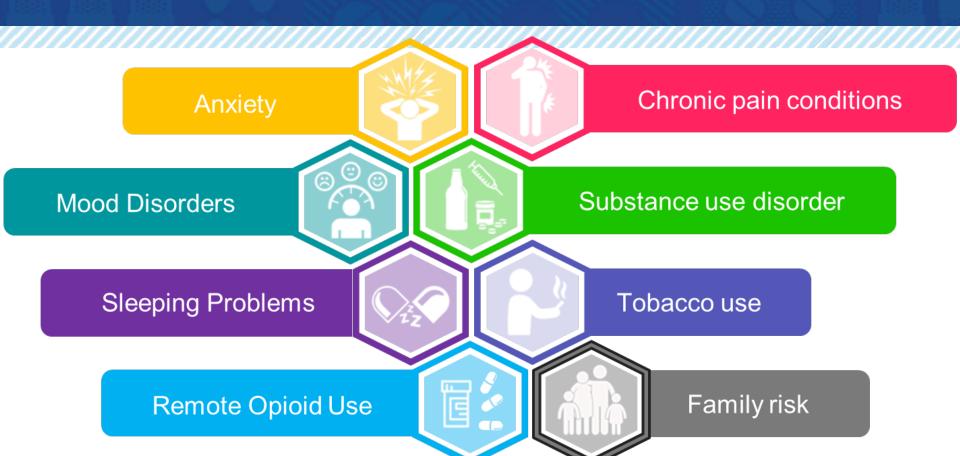


Using a non-prescribed opioid prescription (i.e., someone else's prescription)



Actively using any illicit substance

Who is 'high-risk'?



Perioperative Care Management





SCREEN for opioid related risk

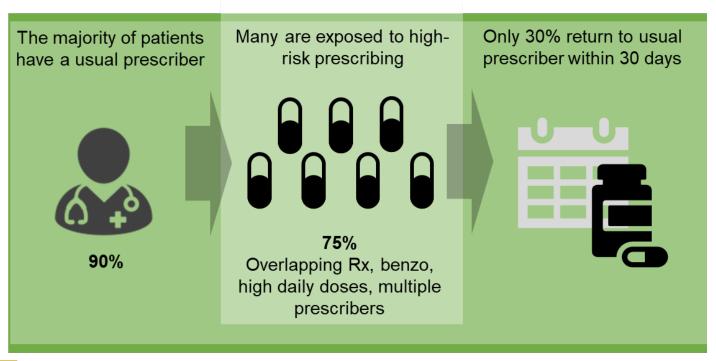


COMMUNICATE with patients and caregivers



COORDINATE CARE across providers

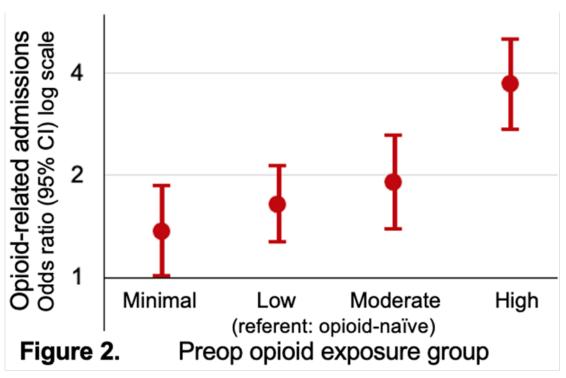
Uncoordinated care for opioid users associated with high risk prescribing





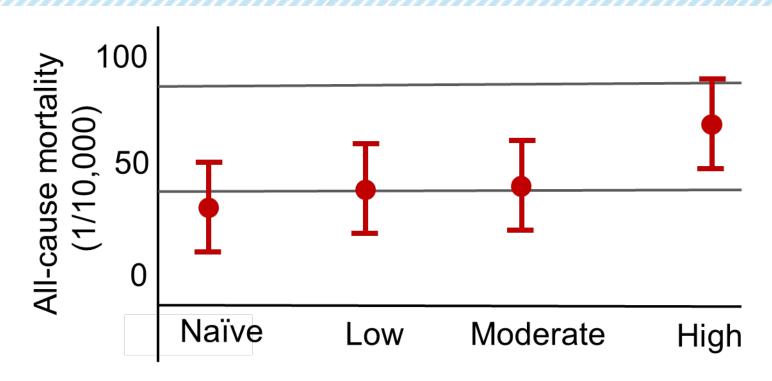
Lagisetty et al. 2019.

Readmissions and Mortality are Higher Among Chronic Opioid Users



Santosa KB, Lai YL, Oliver JD, Hu HM, Brummett CM, Englesbe MJ, Waljee JF. 2020. JAMA Surgery.

Readmissions and Mortality are Higher Among Chronic Opioid Users



TAPS / NIDA Quick Screen

High Risk Score >27

- Provide feedback on screening results
- Advise, Assess, Assist
- Arrange referral
- Offer continuing support

Moderate Risk Score 4-26

- Provide feedback
- Advise, Assess, Assist
- Consider referral based on clinical judgment
- Offer continuing support

Lower Risk Score 0-3

- Provide feedback
- Reinforce abstinence
- Offer continuing support



Advise — Provide medical advice related to patient's drug use



Assess —
Determine
patient's readiness
to change



Assist — Offer help based on patient's readiness level



Arrange — Refer patient for specialty assessment and/or drug treatment, if necessary

Co-Prescribing Naloxone



- History of overdose
- History of substance use disorder (SUD)
- Concurrently using benzodiazepines
- Opioid dosages higher than 50 MME/day

Consider for those with unknown opioid exposure and/or has recently been discharged from a facility with a period of abstinence



Educate

patients and set expectations

Avoid co-prescribing

benzodiazepines and sedatives

Practical
Guidelines for
Postop
Prescribing



Acetaminophen, NSAIDs, local anesthetics, and other non-opioid treatments

Check a PDMP

before prescribing opioids







Thank you!



http://michigan-open.org filip@med.umich.edu