

# The Surgeons Role in the Opioid Epidemic

*Can I change your practice?*

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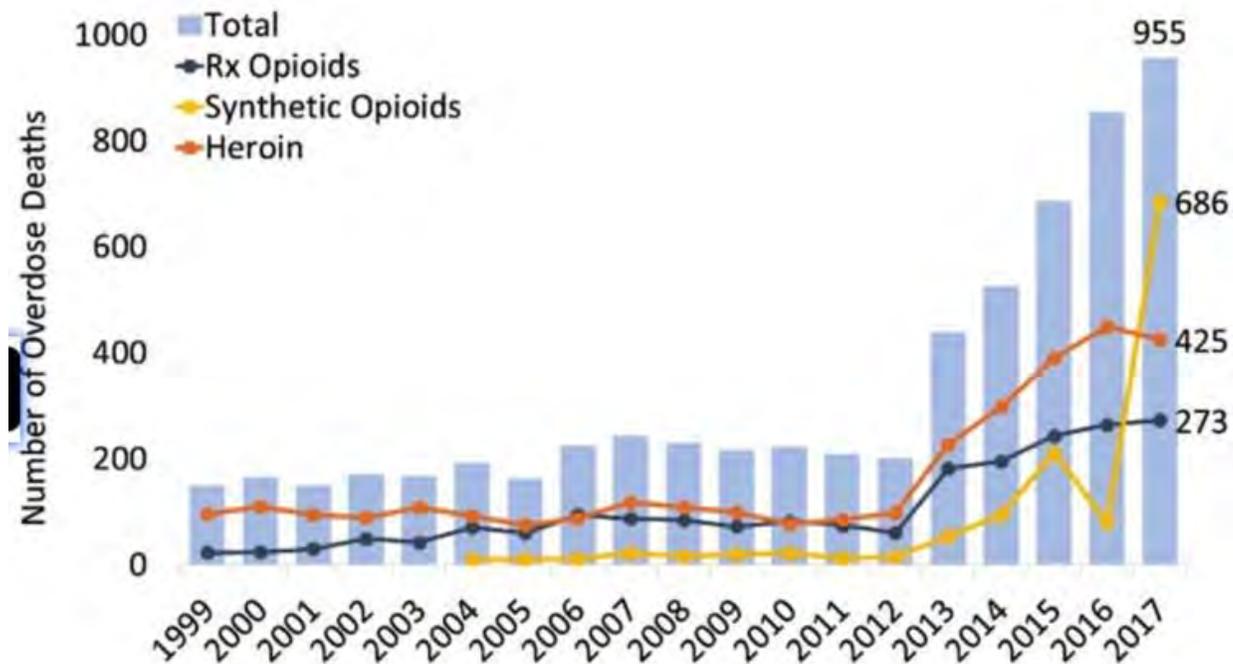
Pills

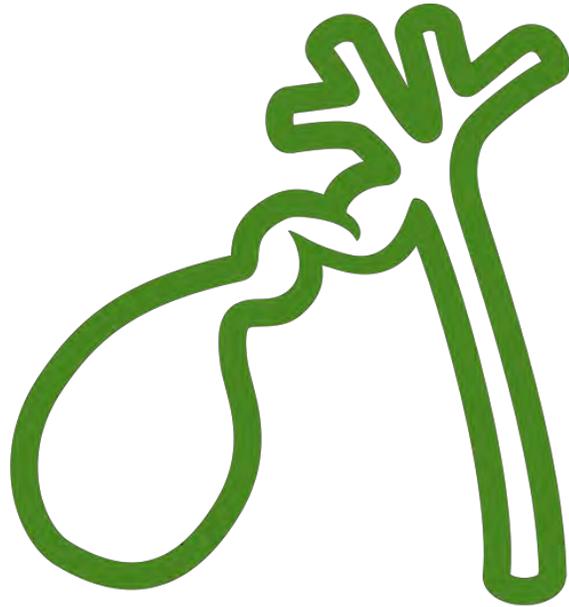


Heroin



Fentanyl





**MICHIGAN MEDICINE**  
UNIVERSITY OF MICHIGAN

Howard, R, Waljee JF, Lee JS, Brummett CM, Englesbe MJ. 2017. *Reduction in Opioid Prescribing Through Implementation of Evidence-Based Prescribing Guidelines.* JAMA Surgery,



David Marchiori, Esther K. Papies, Olivier Klein, The portion size effect on food intake. An anchoring and adjustment process?, *Appetite* (2014), doi: 10.1016/j.appet.2014.06.018

What happens when people keep taking their pills



# New Persistent Opioid Use



6%

Brummett CM et al. *JAMA Surg.* 2017



8%

Goesling J et al. *Pain.* 2016



13%

Johnson SP et al. *JHS.* 2016;41(10).



13%

Deyo RA et al. *Pain.* 2018.



5%

Harbaugh CM et al. *Pediatrics.* 2017.



10%

Lee JS et al. *JCO.* 2017.



19%

Marcusa D et al. *PRS.* 2017

# Persistent Opioid Use After Wisdom Tooth Extraction (37X)

70,942 patients age 13-30 years with commercial insurance underwent **wisdom tooth extraction**

Postoperative opioid prescribing was common

**78%**

of patients filled an opioid prescription

Opioid prescribing increased risk for persistent use



**2.7x**

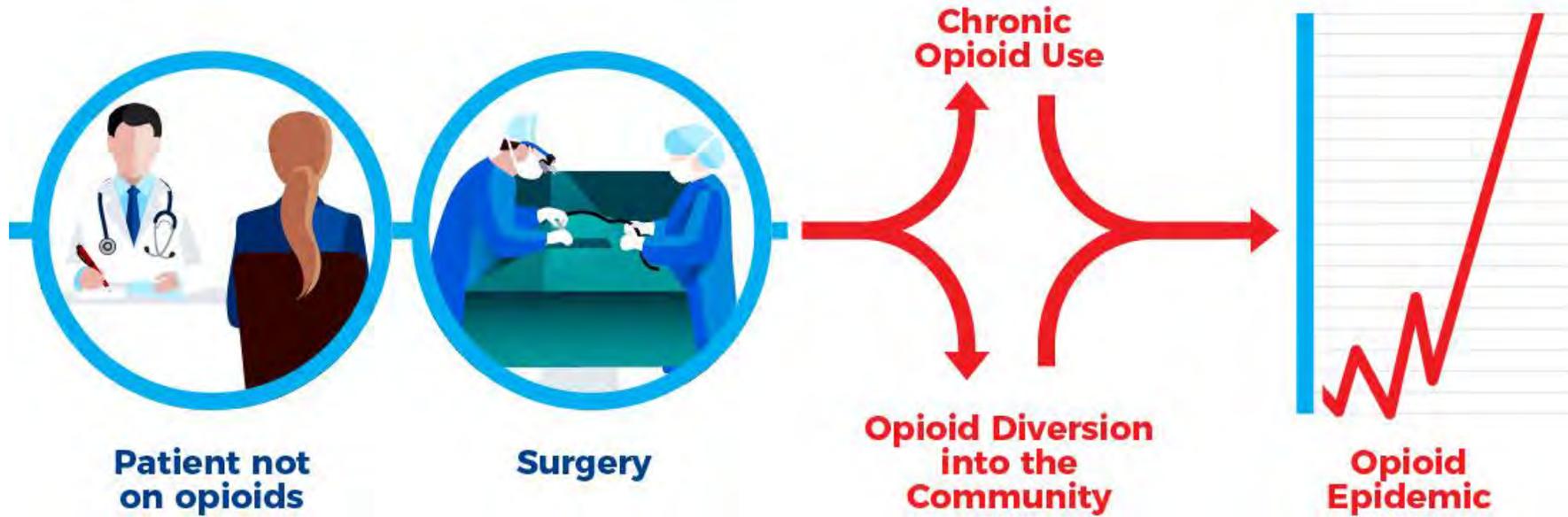
Increased odds of new persistent opioid use

Routine opioid prescribing in dental extractions should be avoided



Opioid prescribing places patients at risk for chronic use and dependence

# Preventing Chronic Opioid Use and Abuse Before it Starts



**Proposed Preventative Strategy**

**Current Strategic Efforts**



# Prescribing Recommendations

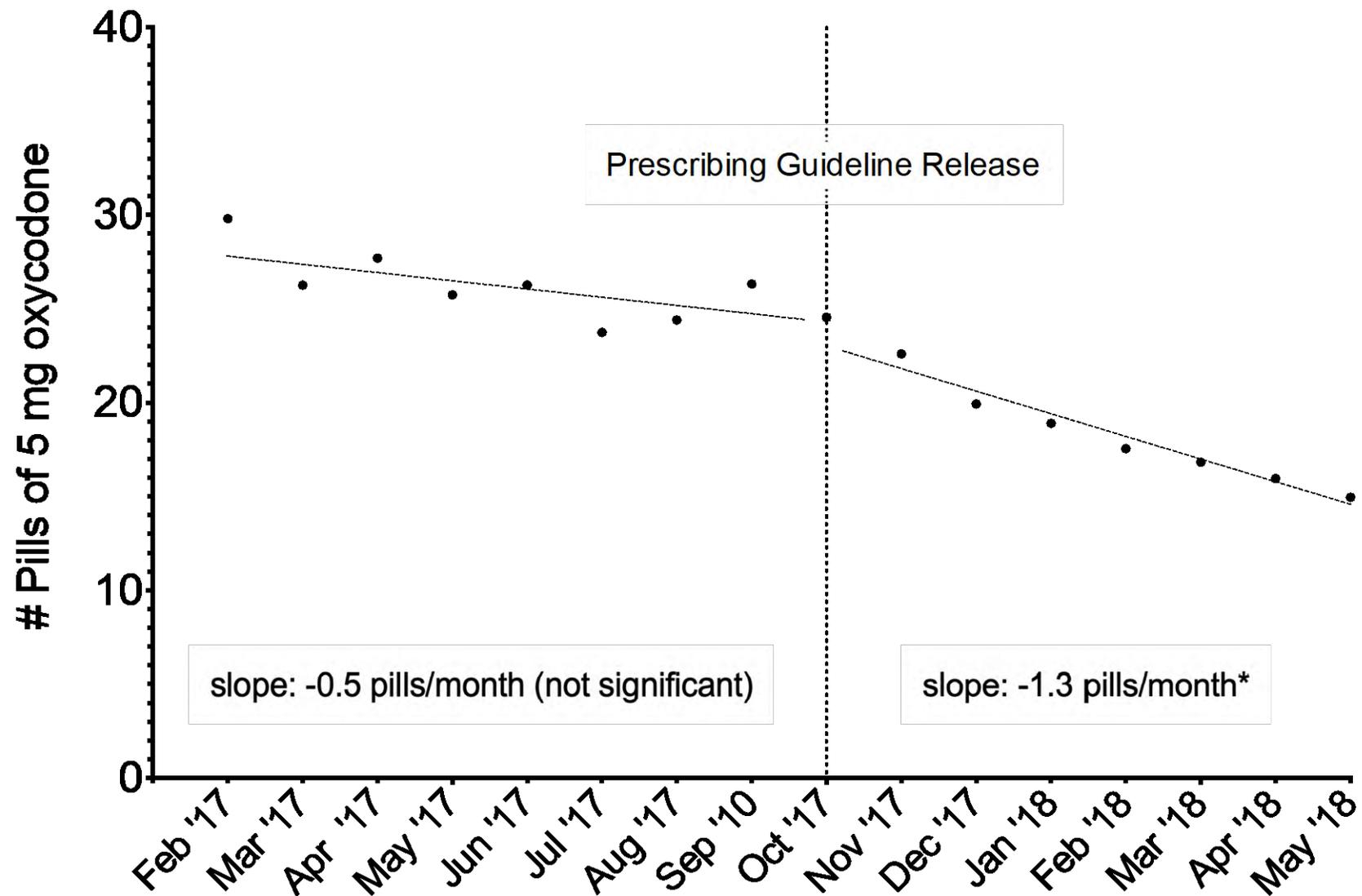
## UPDATED 2019

Procedure	Oxycodone* 5mg tablets
Laparoscopic Cholecystectomy	10
Open Cholecystectomy	15
Appendectomy – Lap or Open	10
Hernia Repair – Major or Minor	10
Colectomy – Lap or Open	15
Ileostomy/Colostomy Creation, Re-siting, or Closure	15
Open Small Bowel Resection or Enterolysis	20
Thyroidectomy	5
Sleeve Gastrectomy	10
Prostatectomy	10
Laparoscopic Anti-reflux (Nissen)	10
Carotid Endarterectomy	10
Cardiac Surgery via Median Sternotomy	15

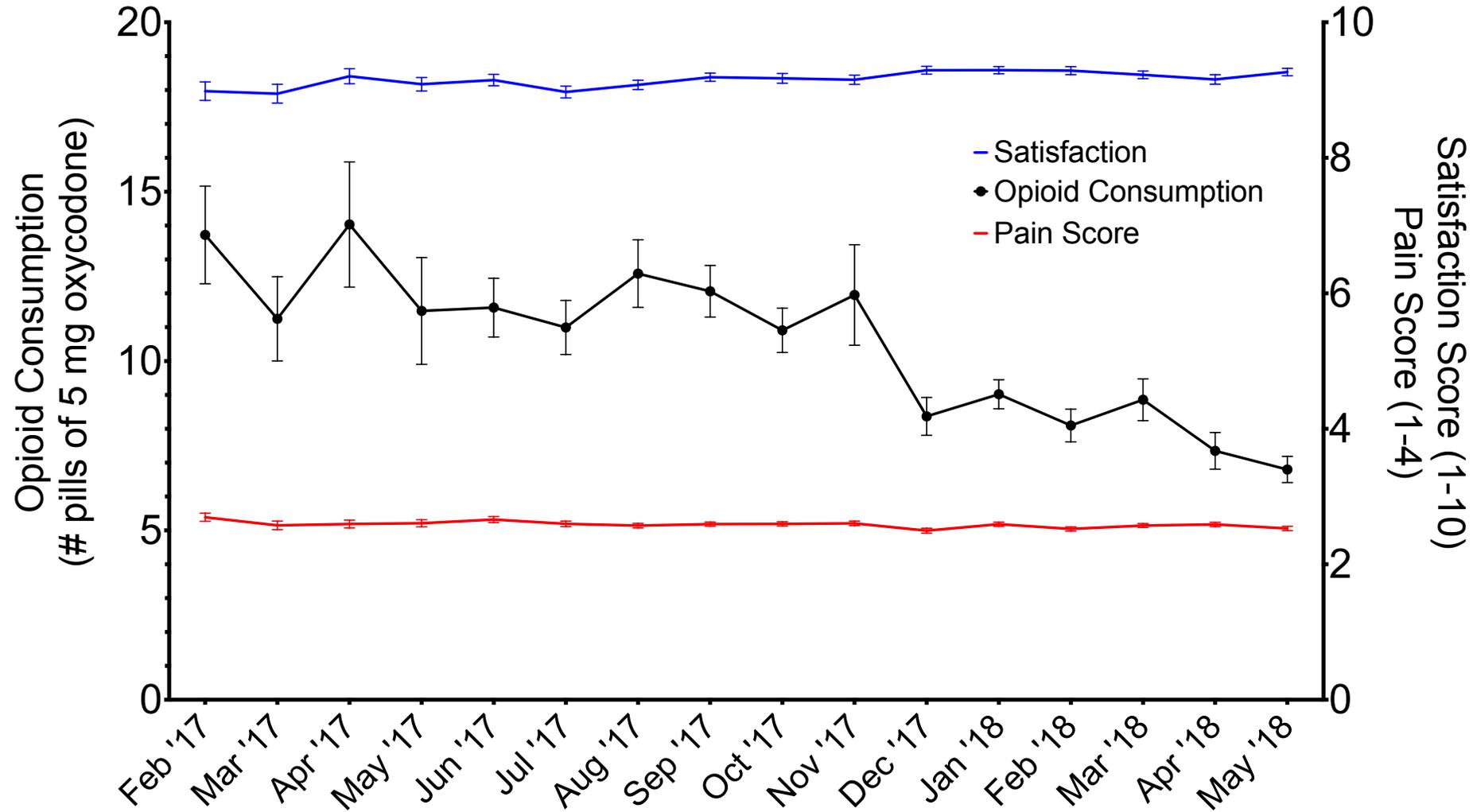
Procedure	Oxycodone* 5mg tablets
Laparoscopic Donor Nephrectomy	10
Cesarean Section	15
Breast Biopsy or Lumpectomy	5
Lumpectomy + Sentinel Lymph Node Biopsy	5
Sentinel Lymph Node Biopsy Only	5
Wide Local Excision ± Sentinel Lymph Node Biopsy	20
Simple Mastectomy ± Sentinel Lymph Node Biopsy	20
Modified Radical Mastectomy or Axillary Lymph Node Dissection	30
Hysterectomy – Vaginal, Lap/Robotic, or Abdominal	15
Total Hip Arthroplasty	30
Total Knee Arthroplasty	50
Dental	0

\*If prescribing hydrocodone 5mg, the number of tablets remains the same as listed above.

# Opioid prescribing in Michigan after surgery



# Opioid consumption and patient reported outcomes in Michigan after surgery

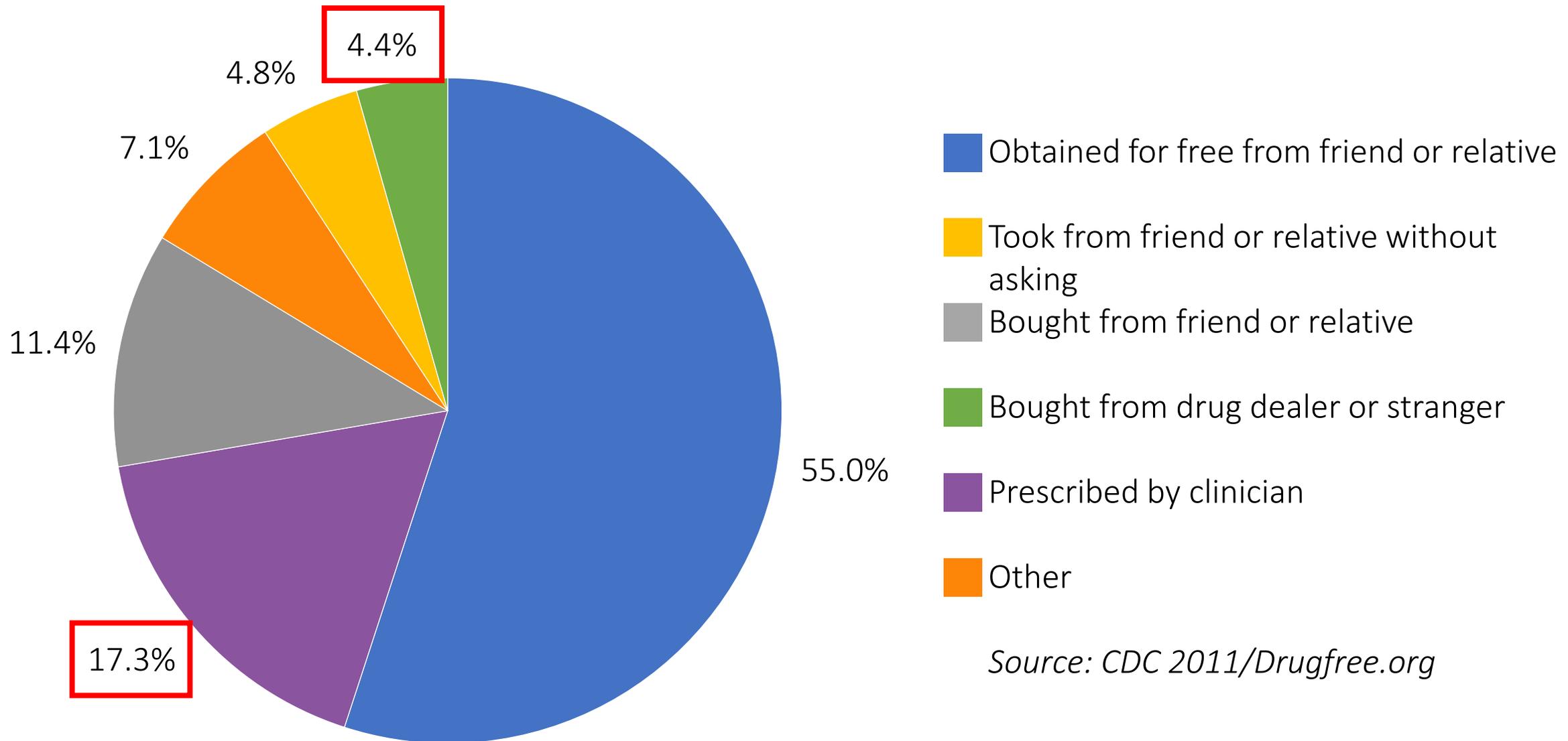


NO OPIATES  
ASTHMATIC



Correcting deficits but not building strength

# Sources of Prescriptions Opioid Abuse



# Michigan OPEN April 28<sup>th</sup>, 2018 Medication Take Back Event



**Over 1 ton**

(2000+ lbs) of pills collected



**54,000**

opioid pills collected



**1976**

oldest opioid collected

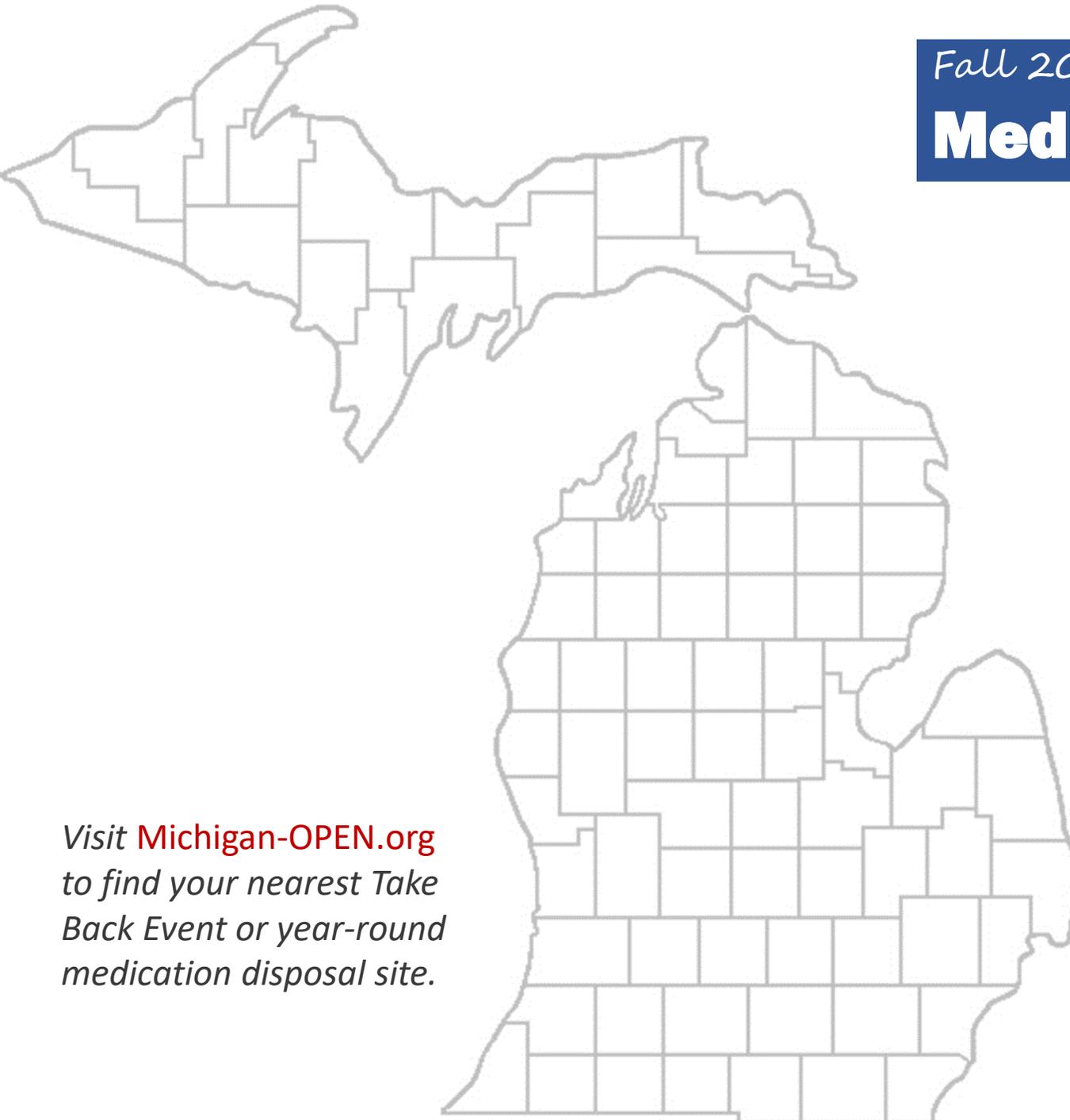


**Surgery**

most common reason for opioid

Fall 2018

# Medication Take Back Event Sites



Visit [Michigan-OPEN.org](https://Michigan-OPEN.org) to find your nearest Take Back Event or year-round medication disposal site.

- |                       |                  |
|-----------------------|------------------|
| Berrien County        | Mason County     |
| Calhoun County        | Monroe County    |
| Cass County           | Oakland County   |
| Crawford County       | Oceana County    |
| Delta County          | Ogemaw County    |
| Grand Traverse County | Ontonagon County |
| Houghton County       | Otsego County    |
| Jackson County        | Ottawa County    |
| Kalamazoo County      | Saginaw County   |
| Keweenaw County       | St. Clair County |
| Lenawee County        | Van Buren County |
| Livingston County     | Washtenaw County |
| Macomb County         | Wayne County     |
| Marquette County      |                  |



