

Who Needs Opioid Prescriptions after General Surgical Procedures?

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Perspective

Our charge for today: Identify general surgical procedures in most need of opioid prescribing.

Currently the vast majority of patients are being given opioid prescriptions after general surgical procedures.

- Michigan: > 90%; Mayo: 91%; Dartmouth: 85-90%

To address this charge: we need to look at opioid **USE** by patients.

Are there groups of patients who do not use opioids after general surgery procedures?

Howard, *JACS* 2018; 227:374

Thiels, *Ann Surg* 2018; 268: 457

Hill, *Ann Surg* 2017; 265: 709

Hill, *JACS* 2018; 226: 996

Opioid Use after Outpatient General Surgery Procedures

Values in table are percentage of patients who took opioids at home

Study	Partial Mastectomy Sentinel Node	Mastectomy	Laparoscopic Cholecystectomy	Laparoscopic Inguinal Hernia Repair	Open Inguinal Hernia Repair
Dartmouth	67 %		75%	70%	78%
Mayo	51%	63%	65%	55%	61%
Vermont			>50%	>50%	>75%

These patients should be prescribed opioids

Hill, *JACS* 2018; 226: 996
Fujii, *JACS* 2018: 226: 1004
Thiels, *Ann Surg* 2018; 268: 457

Opioid Use at Home for Patients Admitted Overnight

<u>Operation</u>	<u>% that used opioids at home</u>
Laparoscopic stomach	58%
Lap appendectomy	>50%
Lap prostatectomy	65-75%

These patients should be prescribed opioids

Hill, *JACS* 2018; 226: 996

Fujii, *JACS* 2018; 226: 1004

Thiels, *Ann Surg* 2018; 268: 457

Opioid Use at Home for Patients Admitted for ≥ 2 Days

We studied 186 patients admitted hospital after major general surgery procedures:
stomach, liver, pancreas, colon/rectum, large abdominal wall hernias.

How many opioids used day prior to discharge?

If used any pills day prior to discharge:
75% used opioids at home

1-3 pills: **65%** used opioids at home

≥ 4 pills: **88%** used opioids at home

*These patients **should** be prescribed
opioids*

If used **no** pills day prior to discharge:
only **15%** used opioids at home

*These patients **should not** be
prescribed opioids*