



# THE DETERRA DRUG DEACTIVATION SYSTEM IMPROVES PROPER DRUG DISPOSAL BEHAVIORS

As reported by a study published in **JAMA Surgery** and conducted by the University of Michigan Opioid Prescribing Engagement Network and partially funded by the National Institute on Drug Abuse (NIDA).

**7 of 10** Post surgical patients had leftover opioids



Only 18% of post surgical patients with leftover opioids disposed of them properly

When given a Deterra® Pouch 52% of post surgical patients with leftover opioids disposed of them properly

Significantly reducing the amount of drugs flushed down the sink or toilet and thrown in the trash without proper deactivation - reducing both the risk for environmental contamination and diversion



**↑8X** More likely to PROPERLY dispose of opioids when given the Deterra Pouch<sup>1</sup>

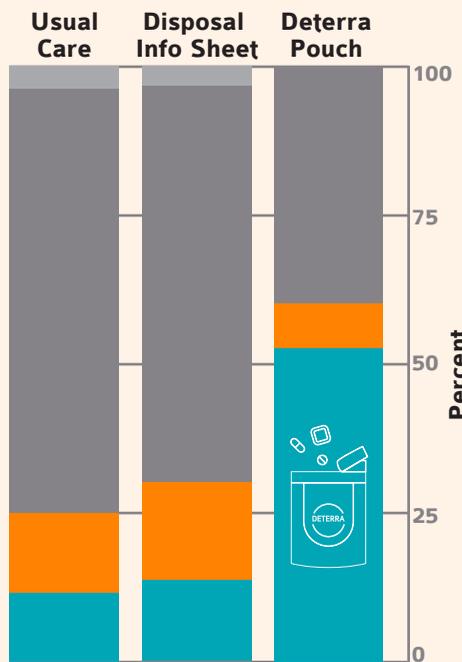
## DISPOSAL BEHAVIOR BY INTERVENTION

### Disposal Definition for this Infographic

**Proper** = Drug deactivation using Deterra pouch prior to disposal in trash, Drug Take Back Event, Law Enforcement or Authorized Pharmacy

**Improper** = Toilet, Sink, Trash as is, Trash mixed with unpalatable substance

- Proper Disposal
- Improper Disposal
- No Disposal
- Other



\*Standard Care includes providing educational materials on proper opioid use, storage, and disposal. These materials are discussed and families are also shown a video containing the information.

" Our findings suggest that simple, low-cost interventions such as in-home deactivation methods, could reduce the number unused opioids available for diversion. Although this study represents data from outpatient surgical procedures at a single academic center, it highlights the importance of providing accessible disposal methods to reduce the flow of excess opioids into communities." - Study Authors

### Deterra recipients:

- Flushed less medication
- Less likely to improperly dispose in trash
- Contributed to 40% fewer households with leftover opioids

DeterraSystem.com

Source: Brummett CM et al. Effect of an Activated Charcoal Bag on Disposal of Unused Opioids After an Outpatient Surgical Procedure: A Randomized Clinical Trial. JAMA Surg. March 2019  
<sup>1</sup>Assuming proper disposal excludes sinking and flushing.