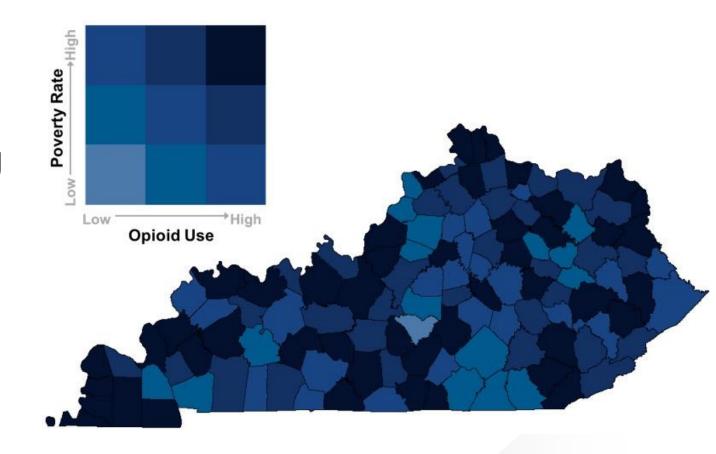


Opioid Stewardship

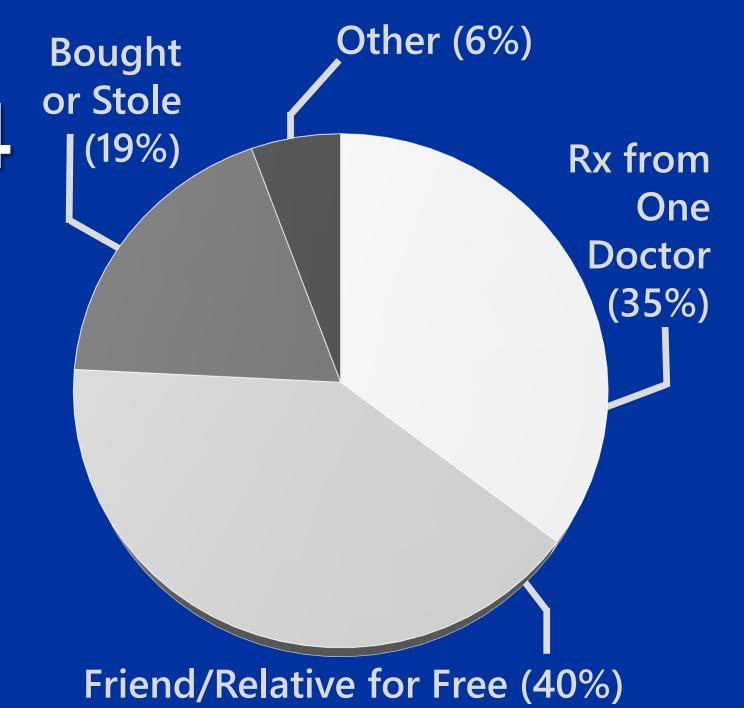
Doug Oyler, PharmD Director, Office of Opioid Safety

Poverty and Opioid Use Collide in Kentucky

- 36/120 Kentucky counties rank in the 90th percentile or higher nationally for individuals per capita living in poverty
- 32/120 Kentucky counties rank in the 90th percentile or higher nationally for opioid prescriptions per capita



Nearly 3 in 4 heroin users started with prescription opioids.

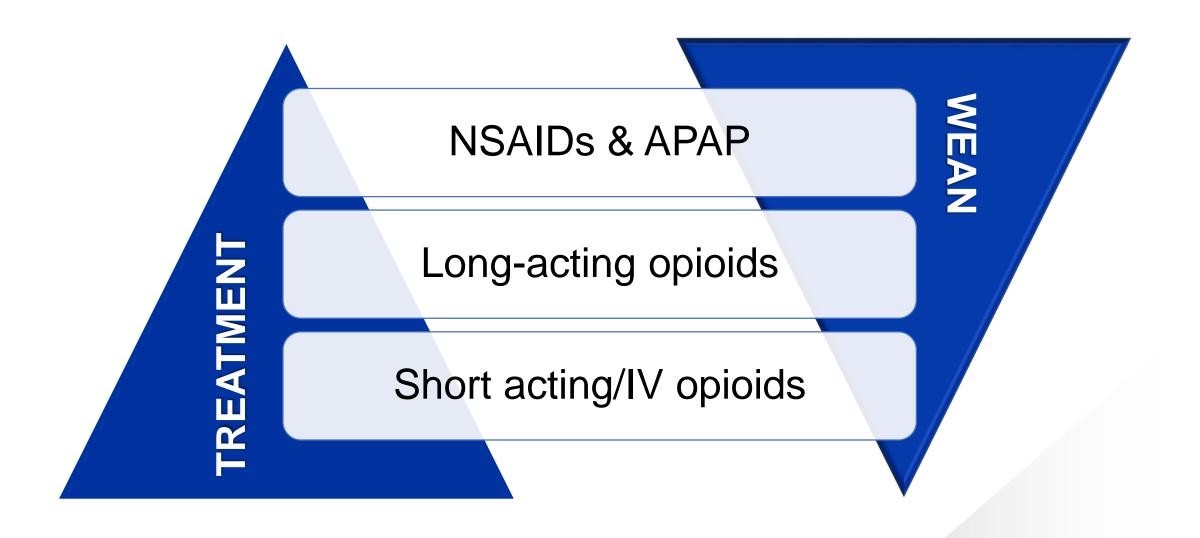


Cicero TJ, et al. JAMA Psych 2014;71(7):821-6. Image recreated from: https://www.samhsa.gov/data/

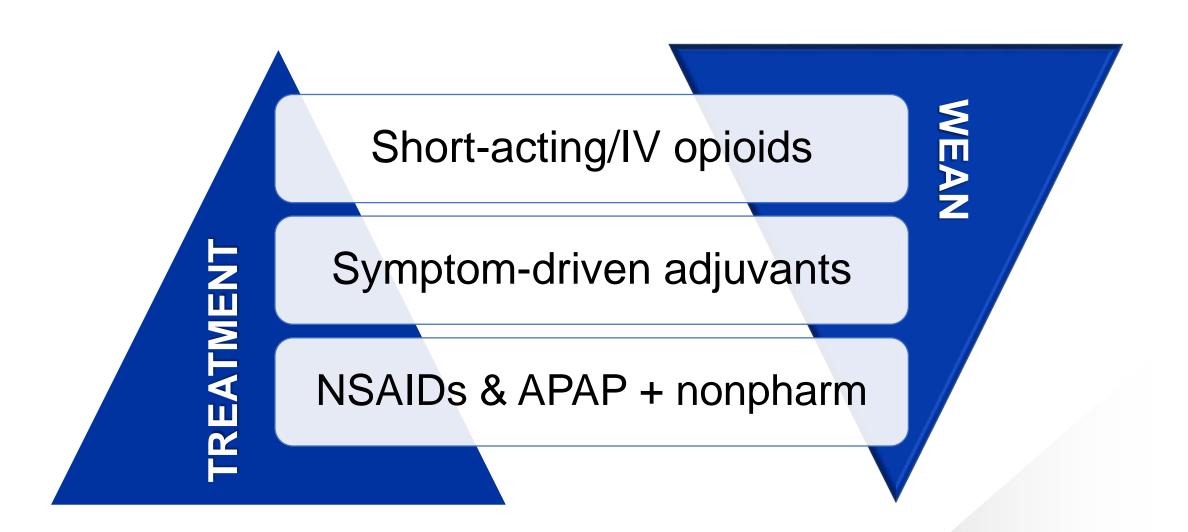
About UK HealthCare

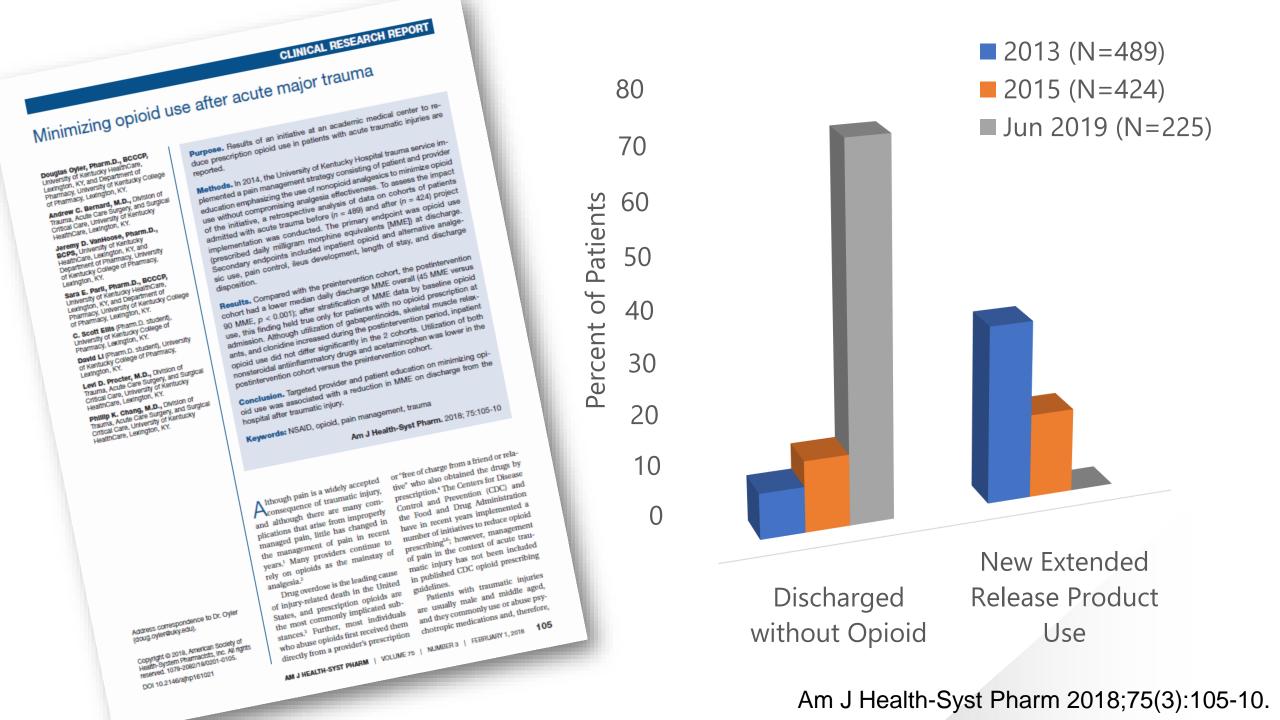
- Three campuses in Lexington, KY
- 1,086 licensed beds
- Level 1 Trauma Center, Level IV NICU,
 Magnet® Recognized, NCI Cancer Designation
- Over 42,000 annual discharges
- Over 36,000 annual surgeries
- Over 118,000 emergency department visits
- Nearly 1.8M annual outpatient visits

The **Old** Way of Thinking & Prescribing

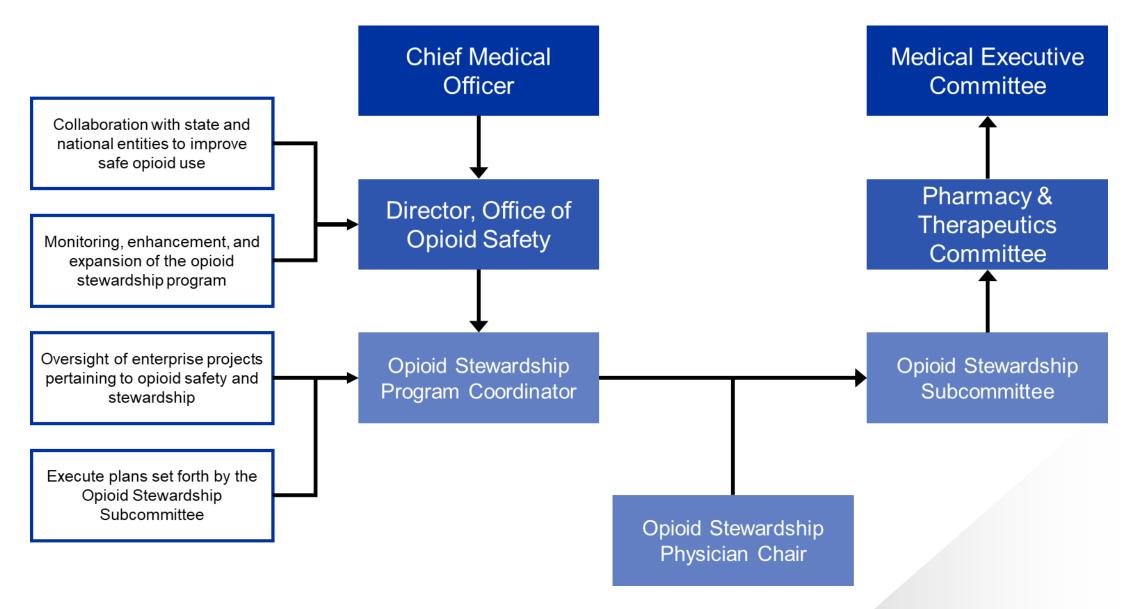


The **New** Way of Thinking & Prescribing





System-Wide Expansion

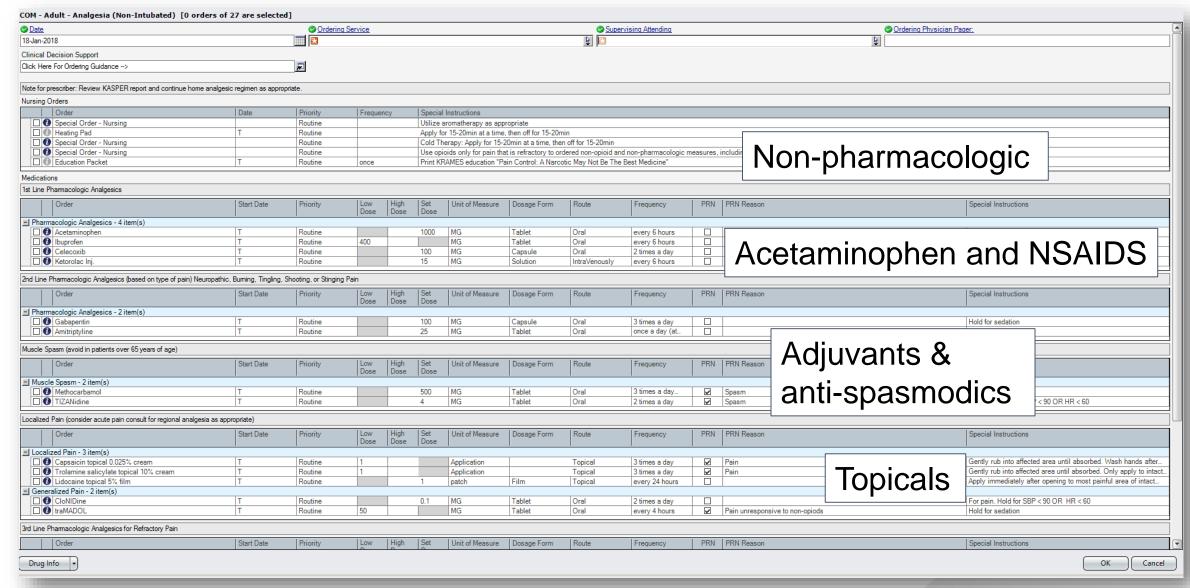


Opioid Use

July 2016

Metric	Overall Institution	Internal Medicine	Trauma	General Surgery	
	2016	2016	2016	2016	
Average daily MME per patient	30	30	40	30	
Patients receiving >90 MME per day	5.07%	8.67%	6.88%	3.51%	
Average daily pain score	2.78	3.33	5.03	5.06	

"Nudging" Workflow



Program Results



57%

Reduction in patients receiving high-risk regimens



1,300

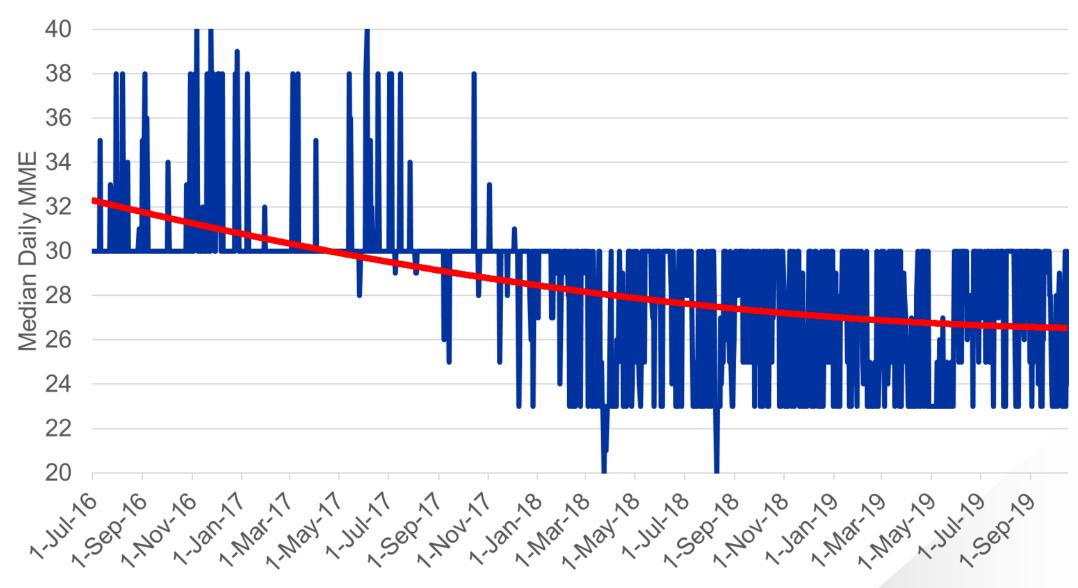
Opioid prescriptions avoided annually



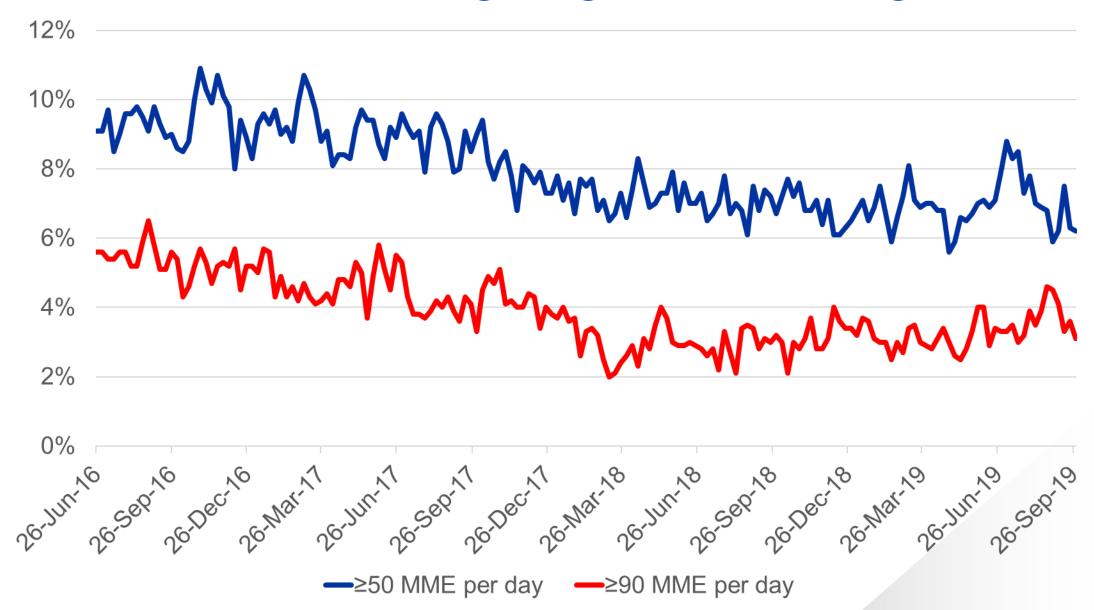
250,000

Fewer opioid pills dispensed

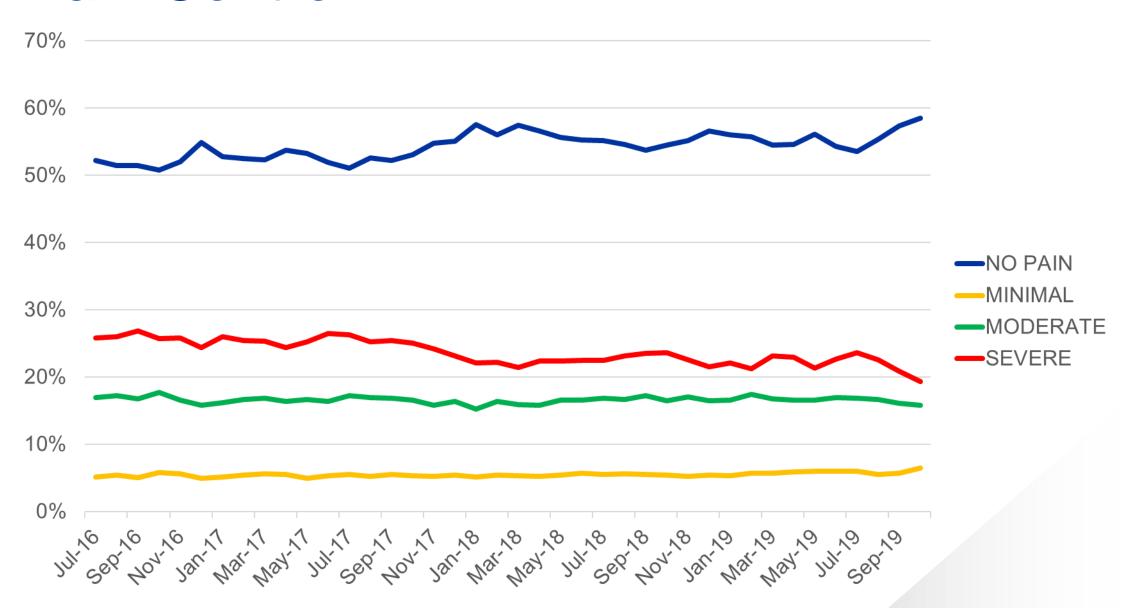
Daily Opioid Dose per Patient



Patients Receiving High Dose Regimens



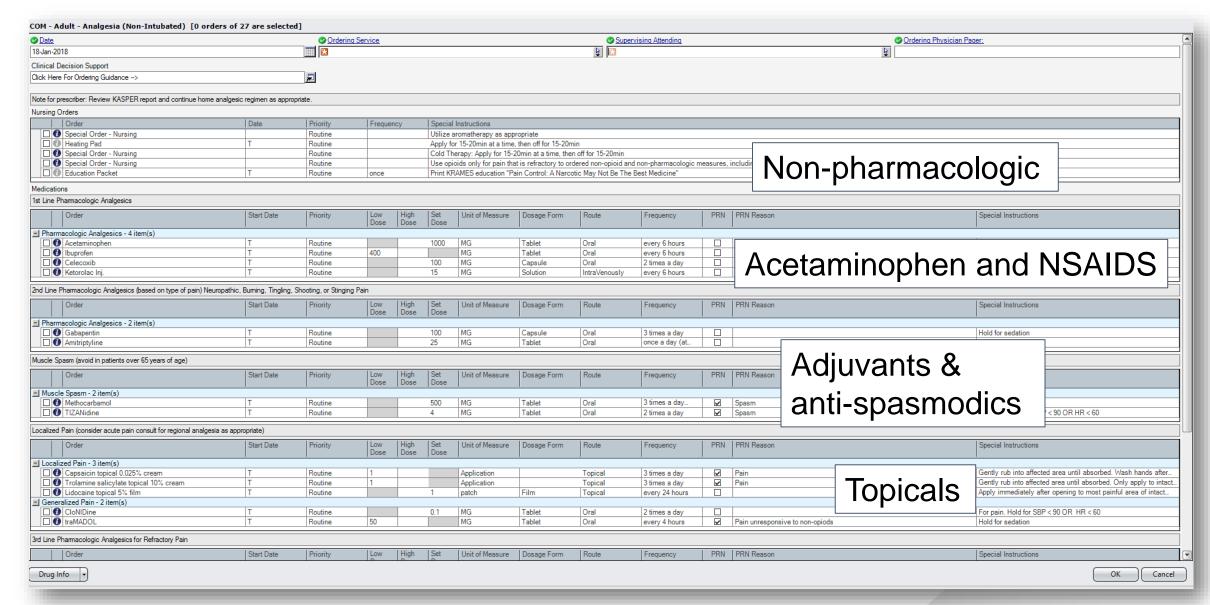
Pain Control



Opioid Initiation at Hospital Discharge



Acute Pain Order Set



Order Set Utilization

N=5,019 distinct orders via order set 1/1/19-9/30/19

Service Area	Number of Times Used			
Internal Medicine	1,118			
EGS/Trauma	1,040			
General Surgery	455			
MICU	332			
CT Surgery	273			
Orthopedic Surgery	249			
Surgical Oncology	188			
Cardiology	184			
Vascular Surgery	164			
Community Medicine	117			
Urology	113			

Impact on Outcomes

July 2016 vs. July 2019

Metric	Overall Institution		Internal Medicine		Trauma		General Surgery	
	2016	2019	2016	2019	2016	2019	2016	2019
Average daily MME per patient	30	25	30	28	40	30	30	22.5
Patients receiving >90 MME per day	5.07%	2.90%	8.67%	4.98%	6.88%	3.39%	3.51%	3.02%
Average daily pain score	2.78	2.89	3.33	3.01	5.03	4.50	5.06	4.19

Key Takeaways

- Opioid prescribing continues to play a role in the opioid crisis, but it's just one piece of the puzzle.
- An effective response requires buy-in from leadership and key stakeholders (e.g., prescribers, patients, other health care providers).
- The goal isn't "minimizing" or "eliminating" opioids; the goal is ensuring we treat pain adequately and responsibly with minimal risk.











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Thank You

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