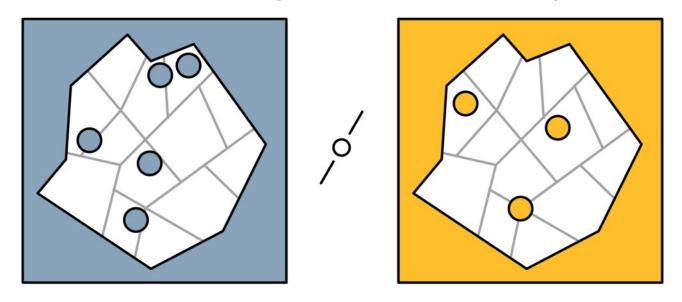
Overview of Evaluating ADFs in the Community



Nabarun Dasgupta, MPH, PhDOpioid Data Lab
University of North Carolina at Chapel Hill

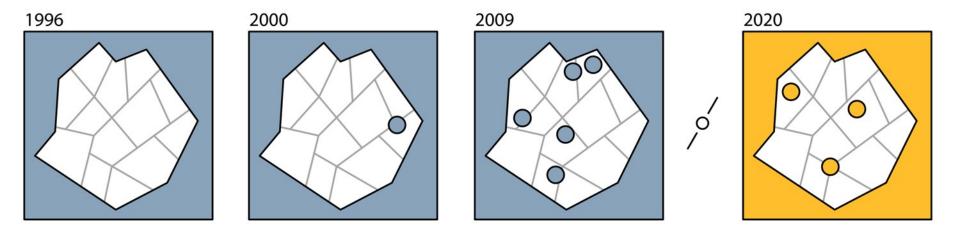
FDA Advisory Committee Meeting September 10, 2020

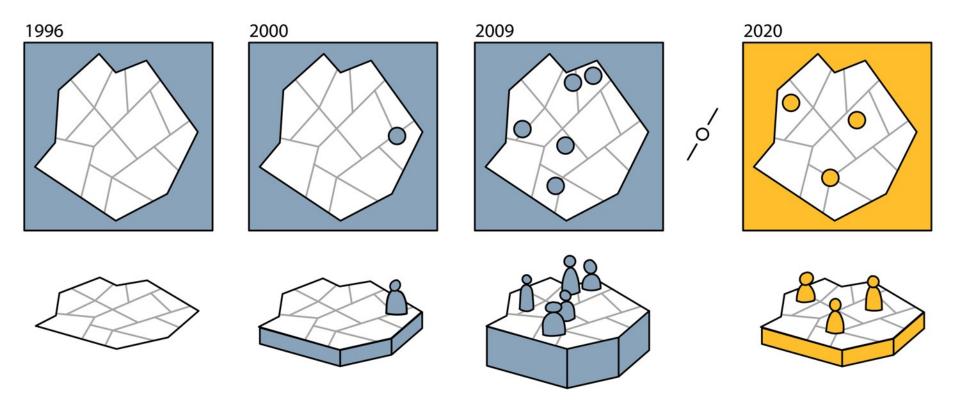
Disclosures

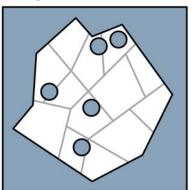
Dr. Dasgupta is contracted by the US Food and Drug Administration for epidemiologic methods research on abuse deterrent opioids.

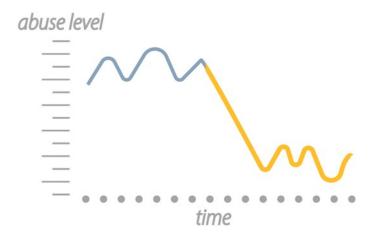
Dr. Dasgupta is funded by the US Centers for Disease Control and Prevention for overdose prevention evaluation research.

Dr. Dasgupta is an epidemiologic methods consultant to the RADARS System.

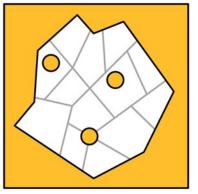




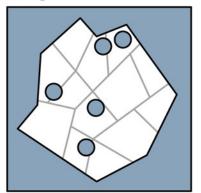


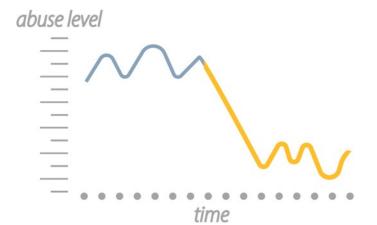


Reformulation

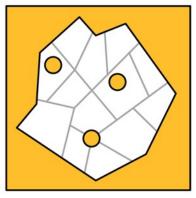


population rate





Reformulation

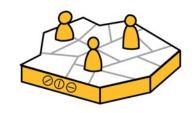


population rate

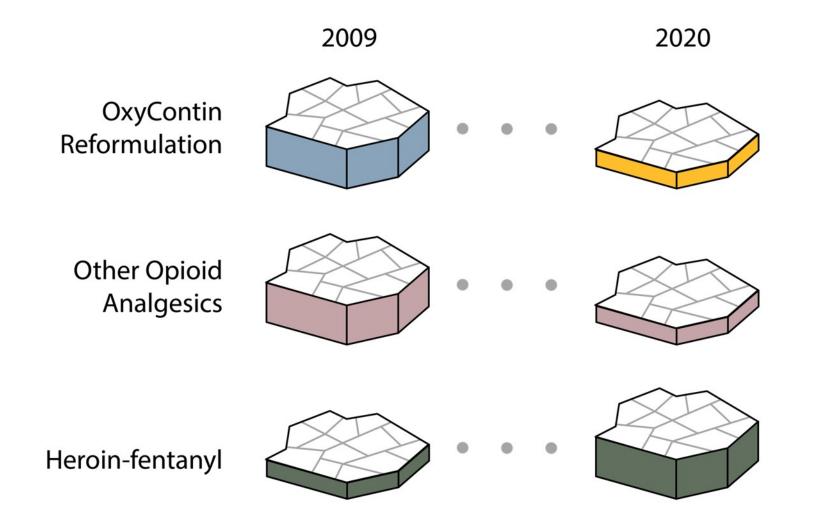


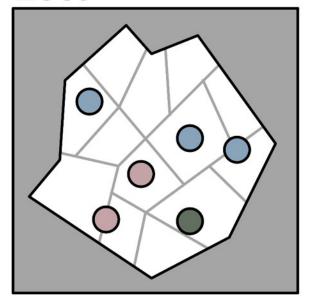


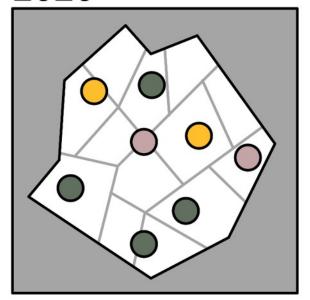


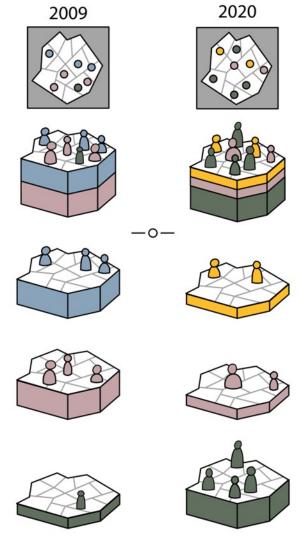


dispensing rate





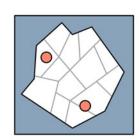












Reformulation



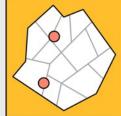








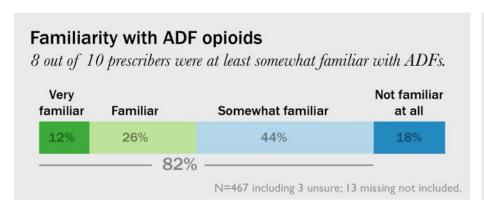


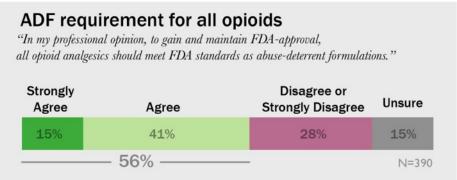


Perceptions that influence ADF prescribing

Methods

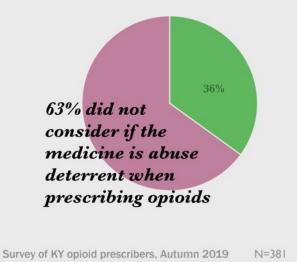
Electronic survey sent via medical licensure board to all DEA prescriber registrants in Kentucky, Oct/Nov 2019. Response proportion (8.5%) was similar to other unincentivized health care provider surveys (N=480 eligible). Some analyses limited to prescribers who prescribe controlled substances.





Perceptions that influence ADF prescribing

Few clinicians consider abuse deterrent properties when selecting opioid analgesics.



ADF properties are not top of mind when considering which opioid to prescribe. This phenomena may limit the extent of patient selection bias with reformulated OxyContin. But it may also limit direct comparisons with other ADFs.

ADF properties rarely primary reason to prescribe OxyContin

One-third of OxyContin prescribers did not to initiate the original prescribing decision.

Started on OxyContin by another prescriber 33%

Patient previously on IR oxycodone 26%

ER opioid that is covered by insurers 18%

Effective for previous patients 19%

ADF properties 4%

Among 176 OxyContin prescribers
Missing n=2

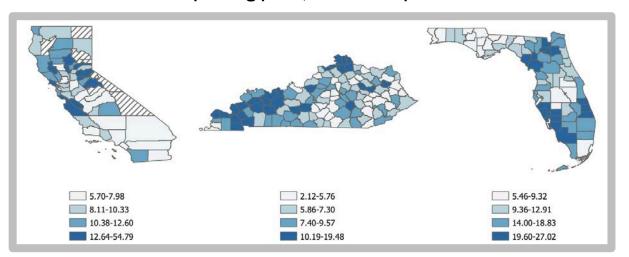
ADF dispensing varies by location

Methods

Analysis of Prescription Monitoring Program data from CA, FL, KY for outpatient opioid prescriptions dispensed to adult residents in 2018. ADFs included: OxyContin, Hysingla ER, MorphaBond, Embeda, and Xtampza ER.

ADF dispensing shows pockets of concentration. Areas with high rates of opioid prescribing and overdose do not necessarily have greater ADF penetration.

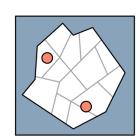
Annual rate of ADF dispensing per 1,000 Adult Opioid Patients











Reformulation







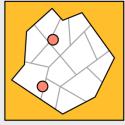






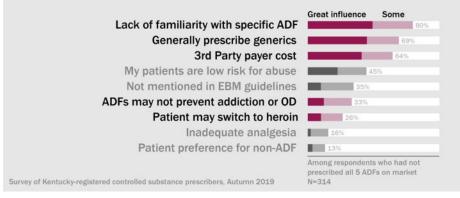






Lack of familiarity, generic preference, and cost limit ADF presscribing

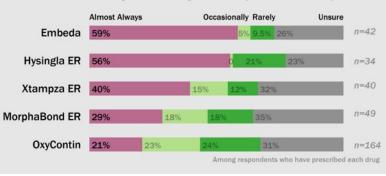
Only a quarter were influenced by concerns of pushing patients to heroin by prescribing an ADF.



Point-of-prescribing requirements by third-party payers not uniform across ADFs

Survey of Kentucky-registered controlled substance prescribers, Autumn 2019

Prior authorization restrictions may be a stronger source of selection bias for some ADFs.



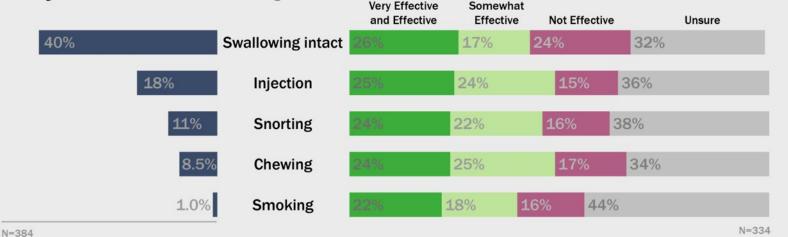
Prescriber perceptions of routes of abuse

Impressions of ADF need and effectivness among prescribers

Survey of Kentucky-registered controlled substance prescribers Autumn 2019

Primary route of abuse in the community was believed to be swallowing.

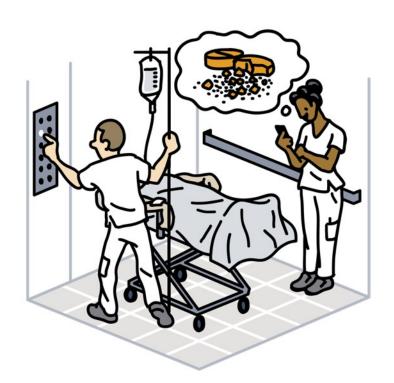
Nearly half of prescribers believed **regardless of route** ADF opioids were effective in **prevnting abuse**, but many were also unsure.



Conclusions

The [NOMAD] study leads us to consider whether abuse deterrence is an inherent property of the drug itself, or if its intended effect lies in an interaction with social context.

If we accept that abuse deterrence in the community is more than a biochemical property, label language becomes becomes all the more challenging, albeit with the potential to be more scientifically accurate.











OpioidData.org Opioid Data Lab



Nabarun Dasgupta



@NabarunD

John Brown Trish Freeman Svetla Slavova Chris Delcher GYeon Oh

Yanning Wang Maryalice Nocera Toska Cooper LaMonda Sykes Steve Marshall

