

# UNDERSTANDING THE OPIATE EPIDEMIC

Linda S. Vail, Ingham County Health Officer

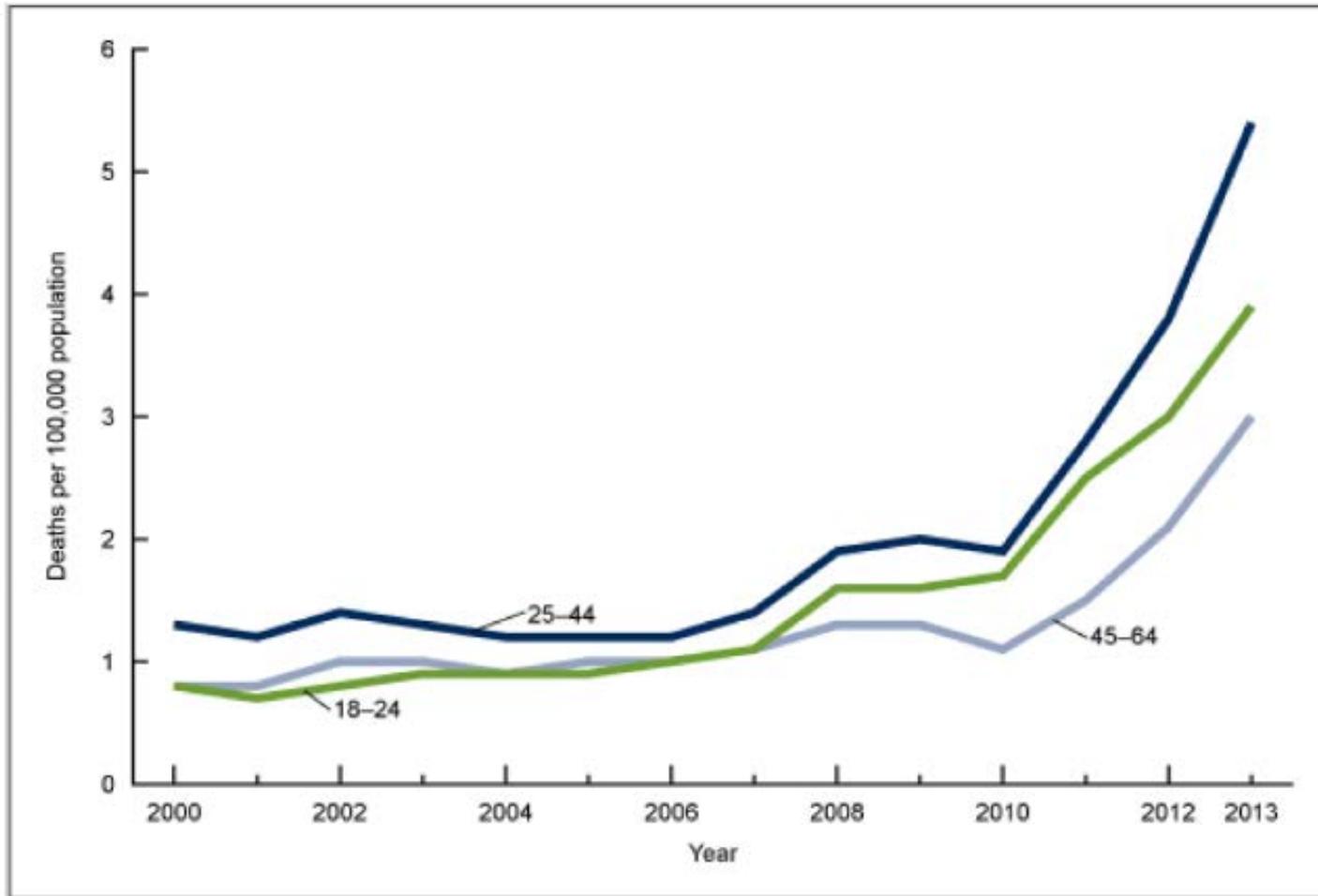


**Ingham County**  
Health Department

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Since 1999, the number of overdose deaths involving opioids (including prescription opioid pain relievers and heroin) nearly quadrupled.<sup>2</sup> From 2000 to 2014 nearly half a million people died from drug overdoses. 78 Americans die every day from an opioid overdose.

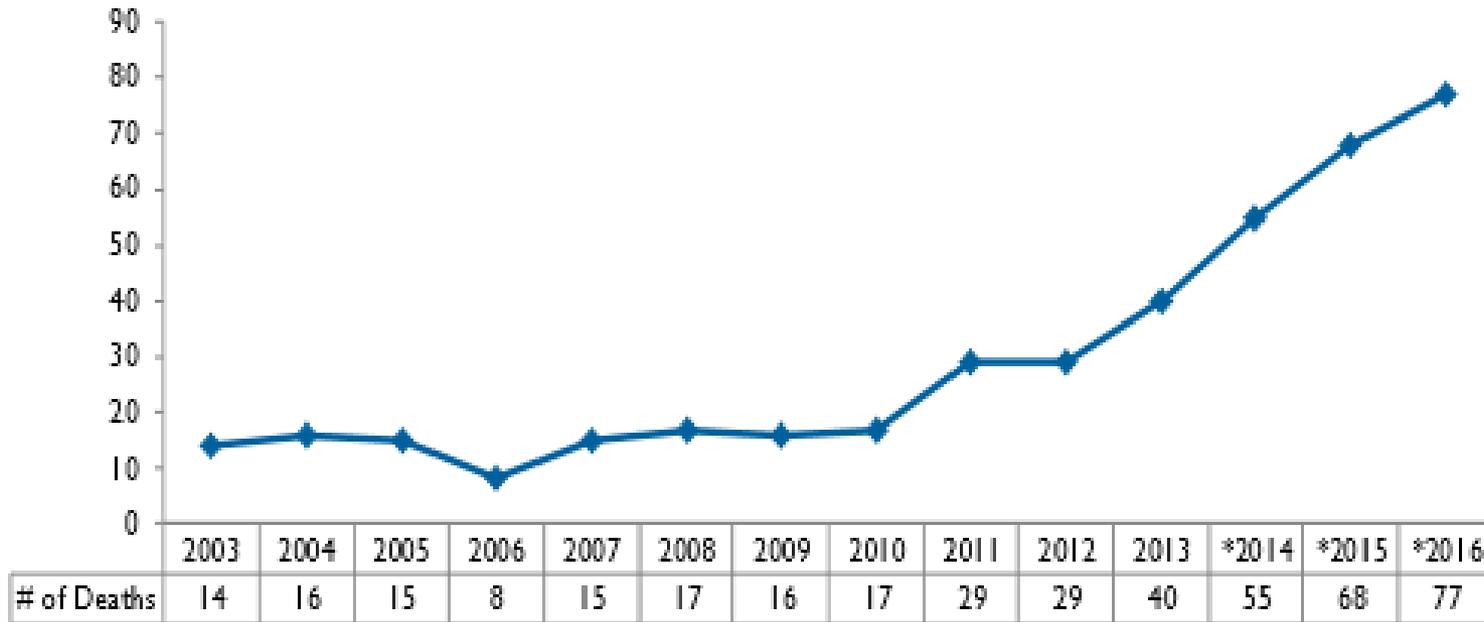




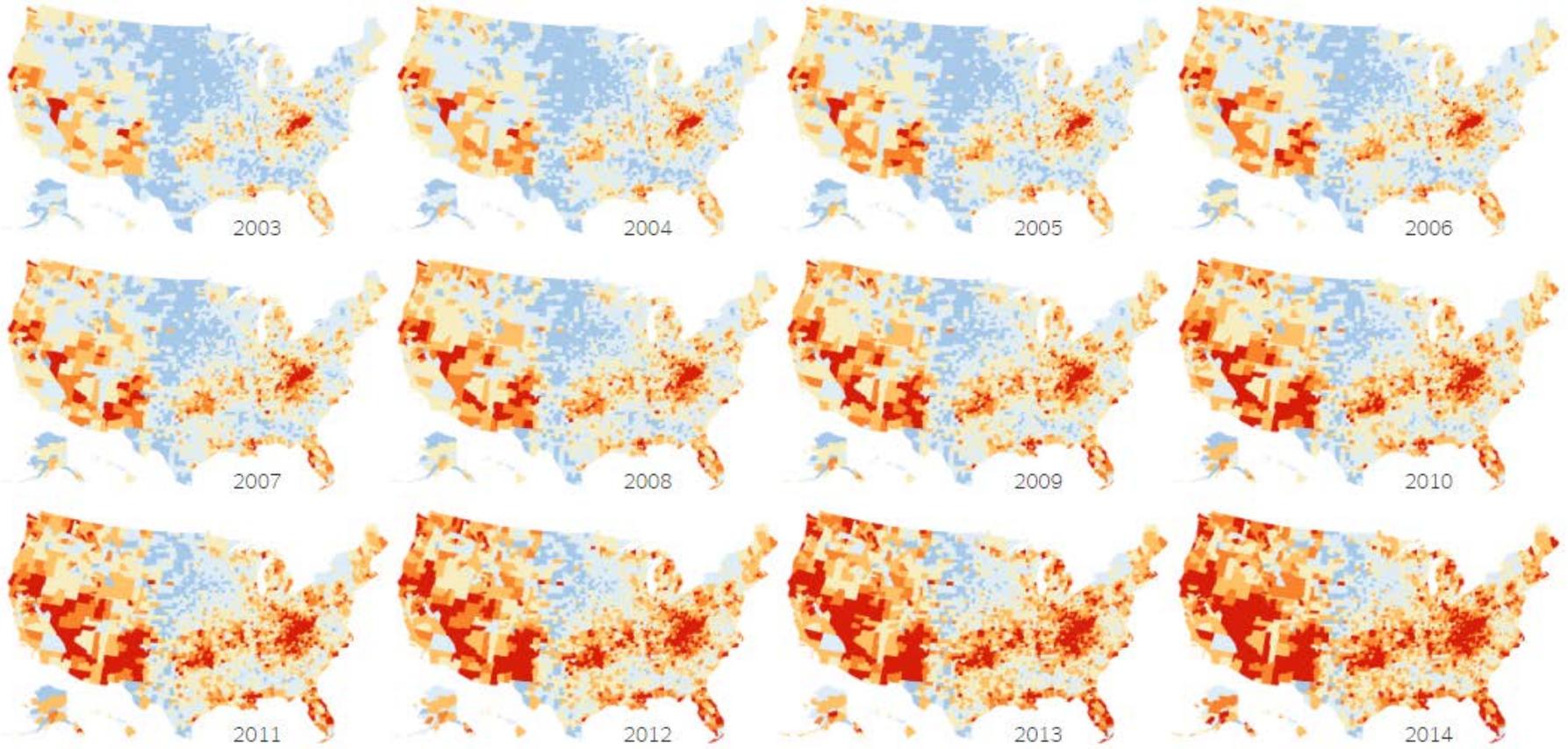
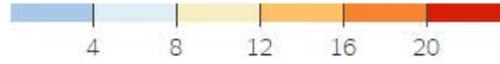
Rates for drug-poisoning deaths involving heroin, by selected age groups: United States, 2000–2013  
COURTESY CDC



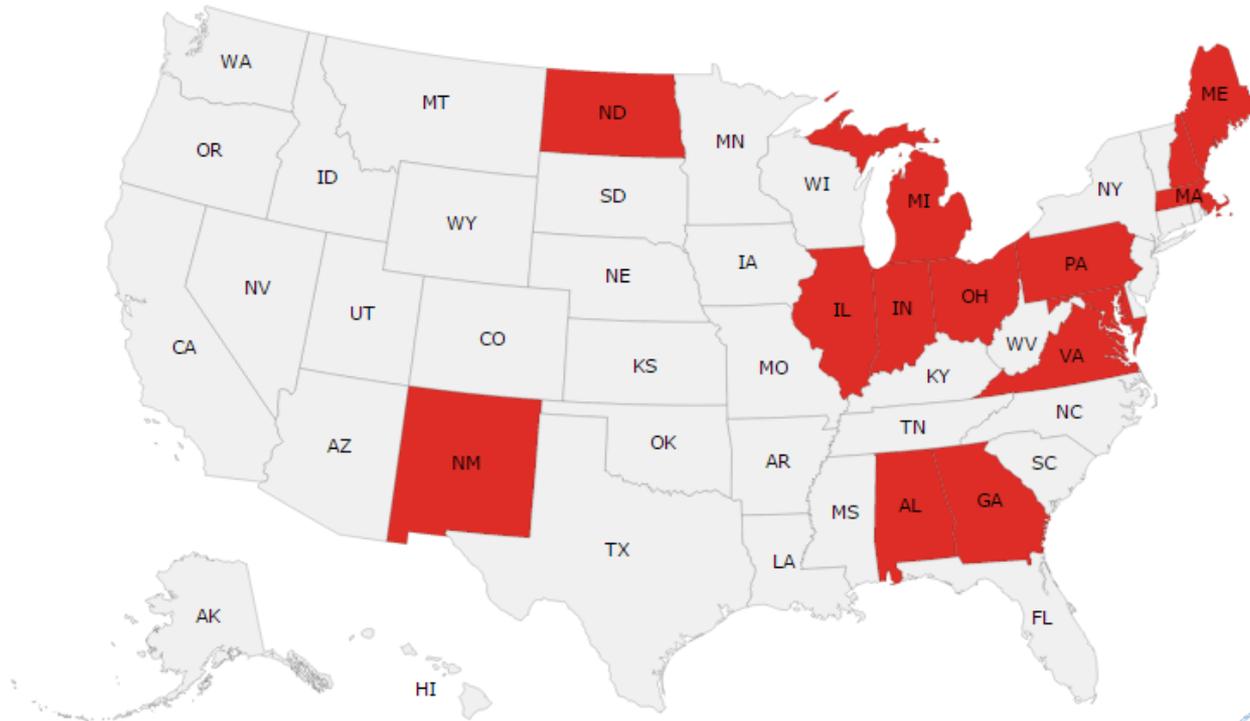
# Ingham County 2016



**Overdose deaths** per 100,000



## Statistically significant drug overdose death rate increase from 2013 to 2014, US states



### Statistically significant increase

Statistically significant increase from 2013 to 2014

- No
- Yes



Over a decade and a half, opioid poisonings, intentional and accidental combined, have nearly doubled among children and adolescents ~

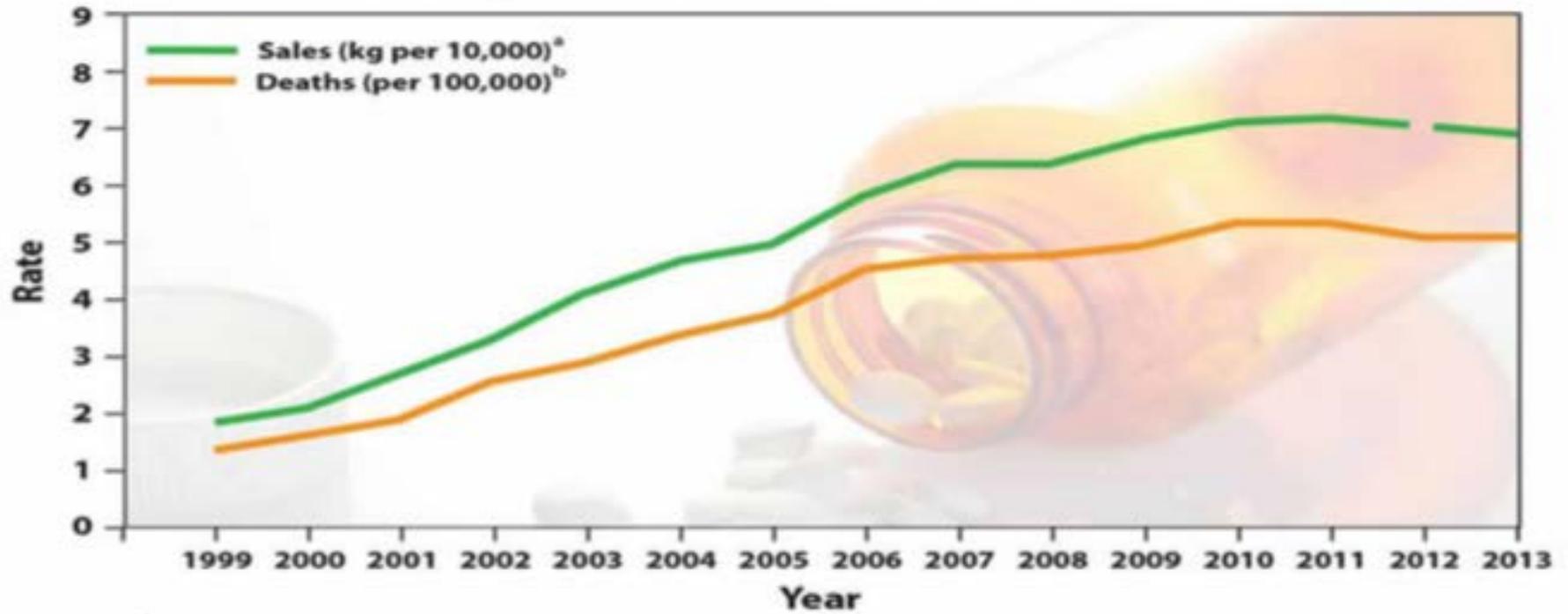
*JAMA Pediatrics study to be released in 2017*



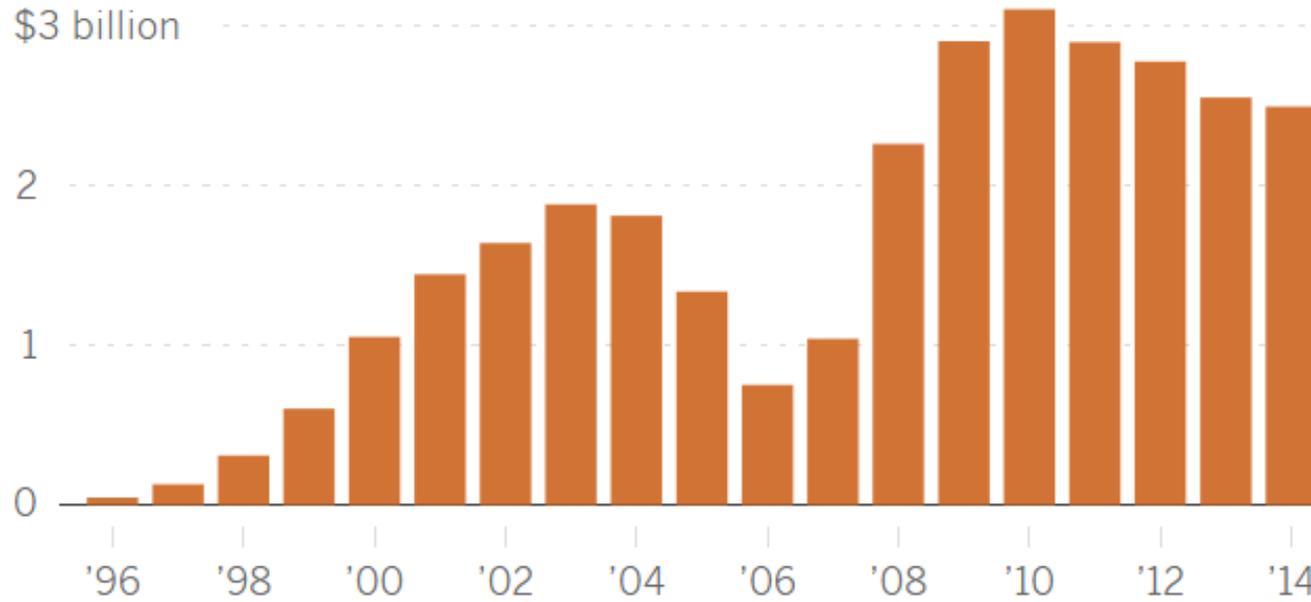
Between 1999 and 2010, sales of these “opioid analgesics” — medications like Vicodin, Percocet, and OxyContin— quadrupled.



## Prescription Painkiller Sales and Deaths



# OxyContin Sales, 1996-2014



Source: IMS National Sales Perspectives

@latimesgraphics



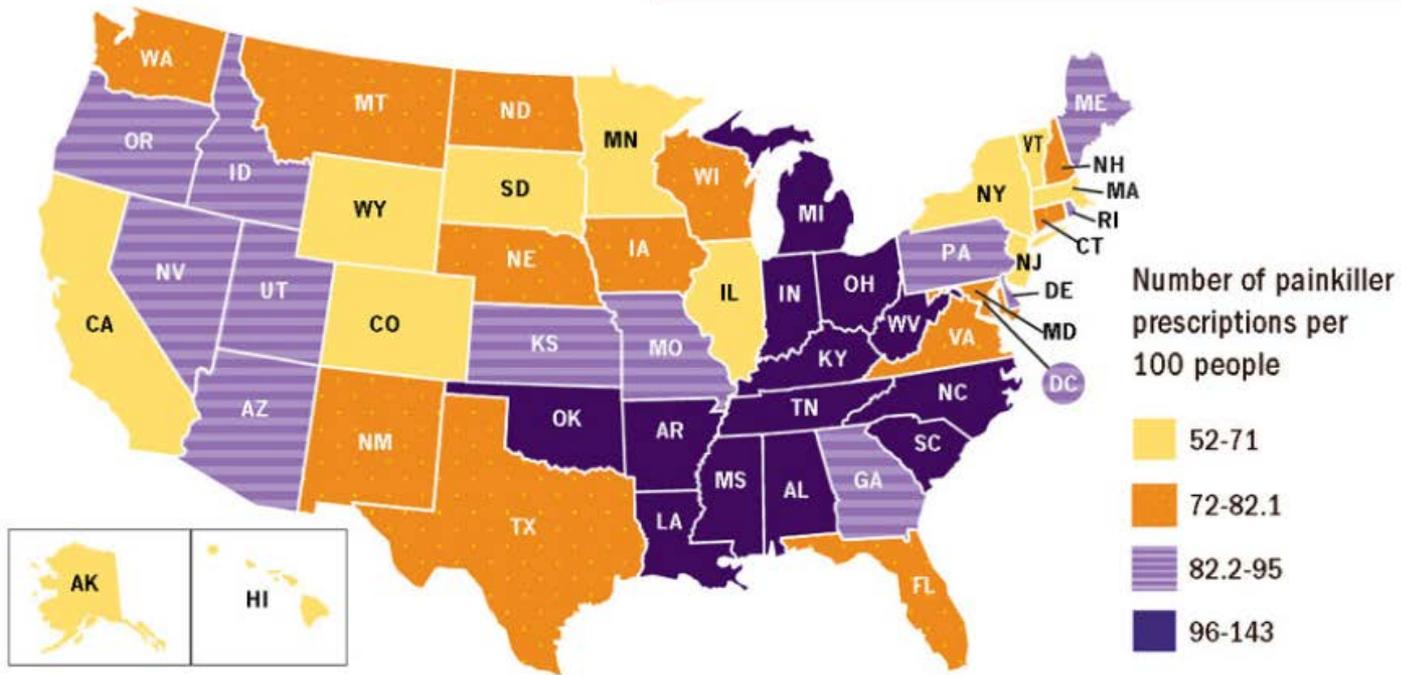
In 2007, Purdue Pharma and three of its top executives pleaded guilty to criminal charges that they had misled the F.D.A., clinicians, and patients about the risks of OxyContin addiction and abuse by aggressively marketing the drug to providers and patients as a safe alternative to short-acting narcotics. (Doctors had been taught that because OxyContin was time-released, it wouldn't cause a high that would lead to addiction.)



By 2010, the United States, with about 5% of the world's population, was consuming 99% of the world's hydrocodone (the narcotic in Vicodin), along with 80% of the oxycodone (in Percocet and OxyContin), and 65% of the hydromorphone (in Dilaudid).



Some states have more painkiller prescriptions per person than others.



SOURCE: IMS, National Prescription Audit (NPA™), 2012.



# Rx Abuse

- Prescription painkiller overdoses killed over 17,000 people in the US in 2015.
- 2008-2011: An average of 1.1 million emergency department visits per year for drug poisoning
- Nonmedical use of prescription painkiller costs health insurers up to \$72.5 billion annually in direct health care costs

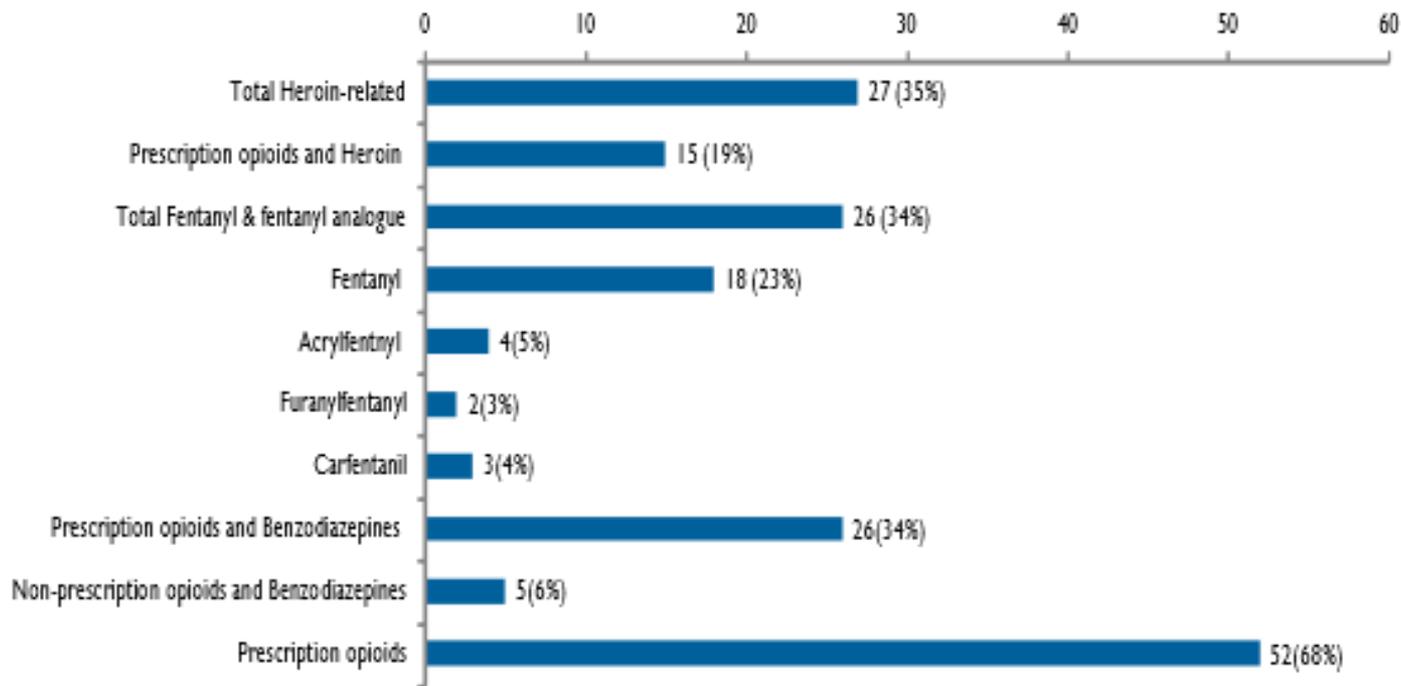


"We know of no other medication routinely used for a nonfatal condition that kills patients so frequently."

~ Dr. Thomas Frieden, CDC



# Fentanyl and Fentanyl Analogs are Driving Death Trends



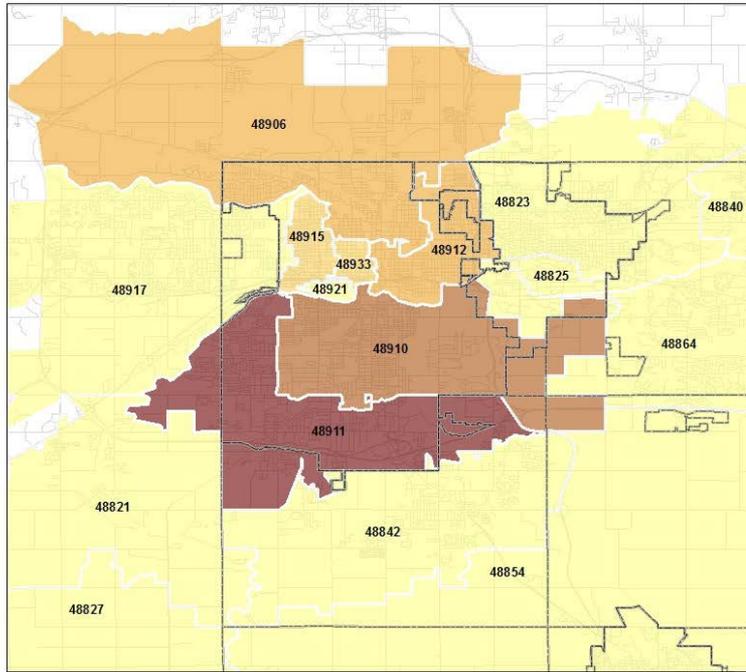
Note: Deaths by type of drug are not mutually exclusive. Often multiple drugs are identified as a related cause of death in a single case.

# Narcan/Naloxone

- 255 doses in 2016 by City of Lansing
- # of doses per incidence is increasing
  - 185 required 1 dose
  - 59 required 2 doses
  - 10 required 3 doses
  - 1 required 4 doses



# Narcan Incidence Heat Map

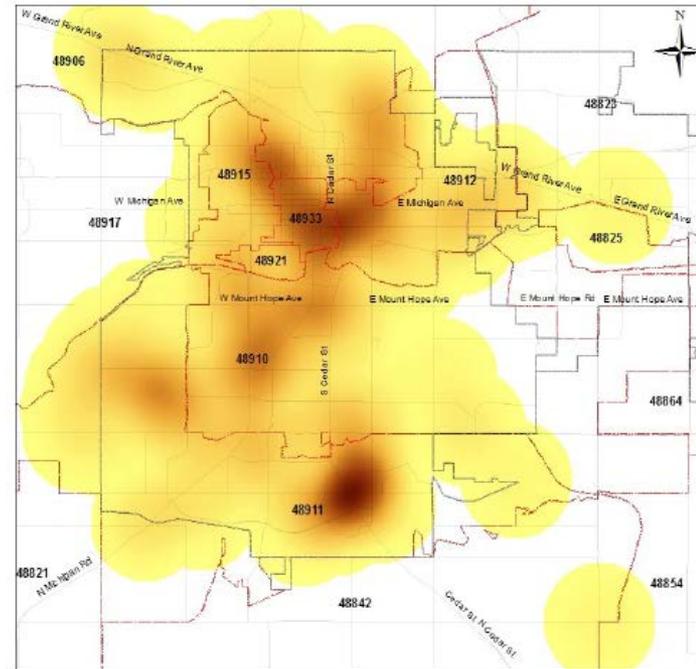


Number of Narcan doses by Zip Code Tabulated Areas, 2016\*

**Legend**

- 44 - 47
- 35 - 43
- 17 - 34
- 11 - 16
- 0 - 10
- Political Boundary
- Road Network

Source: City of Lansing Fire Department/EMS  
 \*Note: Data is current as of Sep 27, 2016



Density Heatmap of Administered Narcan Doses, Capital Area - Ingham County 2016

(Continuum from light - dark equates to lower - greater number of Narcan doses administered per unit area)

**Legend**

- Major Road Network
- Political Boundary
- Zip Code Boundary

Source: City of Lansing Fire Department/EMS



# Impact Areas

- Prescribing Habits (Pain Management Practice Guidelines)
- Prescription Drug Monitoring (MAPS)
- Prescription Drug Disposal (Take Back Meds)
- Access to Treatment
- Medication Assisted Treatment
- Harm Reduction
- PAARI and Other approaches
- Drug Treatment Courts
- Education and Awareness
- De-stigmatize (a chronic brain disease)



# Actions & Opportunities

- Standing Order for Nalaxone
- MAPS conversion/requirement
- Regulations on Drug Manufacturing
- Surgeon General Letter
- Angel Program/Hope Not Handcuffs
- MAT





# GATEWAY

**People addicted to pain pills are 40x more likely to use heroin**

**Ingham Opioid Work Group**



**Naloxone saves hundreds  
from drug overdoses in  
Ingham County each year**

**Ingham Opioid Work Group**

# DRUG DEALER

**80% of abused prescription  
drugs come from home  
medicine cabinets**

**Ingham Opioid Work Group**

CLEAR CHANNEL

— *Your* —  
**MEDS** *Your*  
**RESPONSIBILITY**

**COMMIT TO *safe* STORAGE**

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OXYCODONE  
TABLET  
Common Brand: *Delfin*  
TAKE 1 TO 2 TABLETS  
EVERY 4 TO 6 HOURS

CAPITAL  
COUNTIES



001260

CLEAR CHANNEL

== MAKE IT ==

*a* **HABIT**

COMMIT TO *proper*

**DISPOSAL**

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COUNTIES



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CLEAR CHANNEL

— *Start* THE  
CONVERSATION  
*Commit to*  
FINDING HELP

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*Your*  
**MEDS** *Your*  
**RESPONSIBILITY**  
**COMMIT TO *safe* STORAGE**

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CLEAR CHANNEL

*Be*  
**ACTIVE &  
BALANCED**  
**COMMIT TO *Be* FIT**  
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Questions?

