

# DAG

Main exposure: ADF opioid use  
Outcome: Overdose death

Population: adult chronic pain patients (with insurance)

prescriber impression of patient

prior acute vs. chronic opioid

surgery

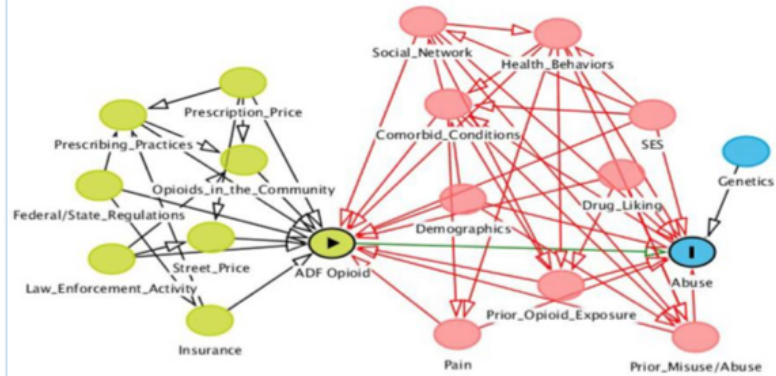
hospice

mental health history

gabapentin use

MAT

# Confounders



Generated using DAGitty. Johannes Textor, Juliane Hardt, and Sven Knüppel. Dagitty: A graphical tool for analyzing causal diagrams. *Epidemiology*, 22(5):745, 2011.

Source: Tamra Meyer, Designs that assess exposure and outcome in the same individuals over time, FDA Meeting on Data and Methods for Evaluating the Impact of Opioid Formulations with Properties Designed to Deter abuse in the Postmarked Settings: A Scientific Discussion of Present and Future Capabilities, July 10, 2017, Silver Spring, MD.

Directed acyclic graph depicting relationships of ADF use with overdose and covariates

