UMB SOP Department of Pharmaceutical Health Services Research
- Research key words: multi-disciplinary; collaborative; pharmacy; prescription drugs; comparative effectiveness; pharmaco-epidemiology; pharmaco-economics; pharmaceutical & health policy
- Pharmaceutical Research Computing
  - Data: Medicare; Medicaid; Optum Labs; MCBS; etc

ME
- Maryland Statewide Epidemiological Outcomes Workgroup (Director; BHA/DHMH/SAMHSA)
  - DHMH-funded through SAMHSA SPF grant(s)
  - Benchmark and map substance use and consequences in Maryland using multiple data sources:
    - NSDUH Research Portal; HSCRC; TEDS; IMS dispensing data; etc
  - The Team: demographer; epidemiologist; two GRAs; one post-doc
  - Research foci:
    - Prescription drug abuse/Opioid overdose
    - Alcohol use in young people
    - Marijuana
- Evaluation of the Maryland Prescription Drug Monitoring Program (PI; BHA/DHMH)
- COPD and Depression in Older Adults (PI; NIA)
What We Do

- Substance use mapping: National; Maryland; sub-state
  - *Where You Live and Who You Are Matter: Prescription Opioid Treatment Admissions*
  - *Impact of State PDMP and ‘Spill-over’ of Prescription Drug Fills*
- Dissertation
  - *Pharmacological Treatment for Serious Mental Illness: Geographic Variation and Association with Preventable Hospitalization*
  - Objective: to quantify the effect of SMI pharmacological treatment on preventable hospitalizations in older adults with SMI using patient clusters identified through geographic variation in SMI pharmacological treatment.

What We Need Now

- More users and more training and more expertise
- Increased awareness of what other folks are doing with geospatial

What We Want

- To exploit our data bases using geospatial methods to examine important policies around substance use and mental health
  - *DREAM Project #1: Influence of state policies on abusable prescription drugs on health and outcomes among Medicare beneficiaries*
  - *DREAM Project #2: Medical marijuana policy and impact on marijuana and other substance abuse, treatment, and health outcomes*