



Geisinger

**Improving the Diagnosis and Treatment of Opioid Use Disorder (OUD) in Pregnancy Women through a Regional Perinatal Collaborative Approach\***

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Geisinger

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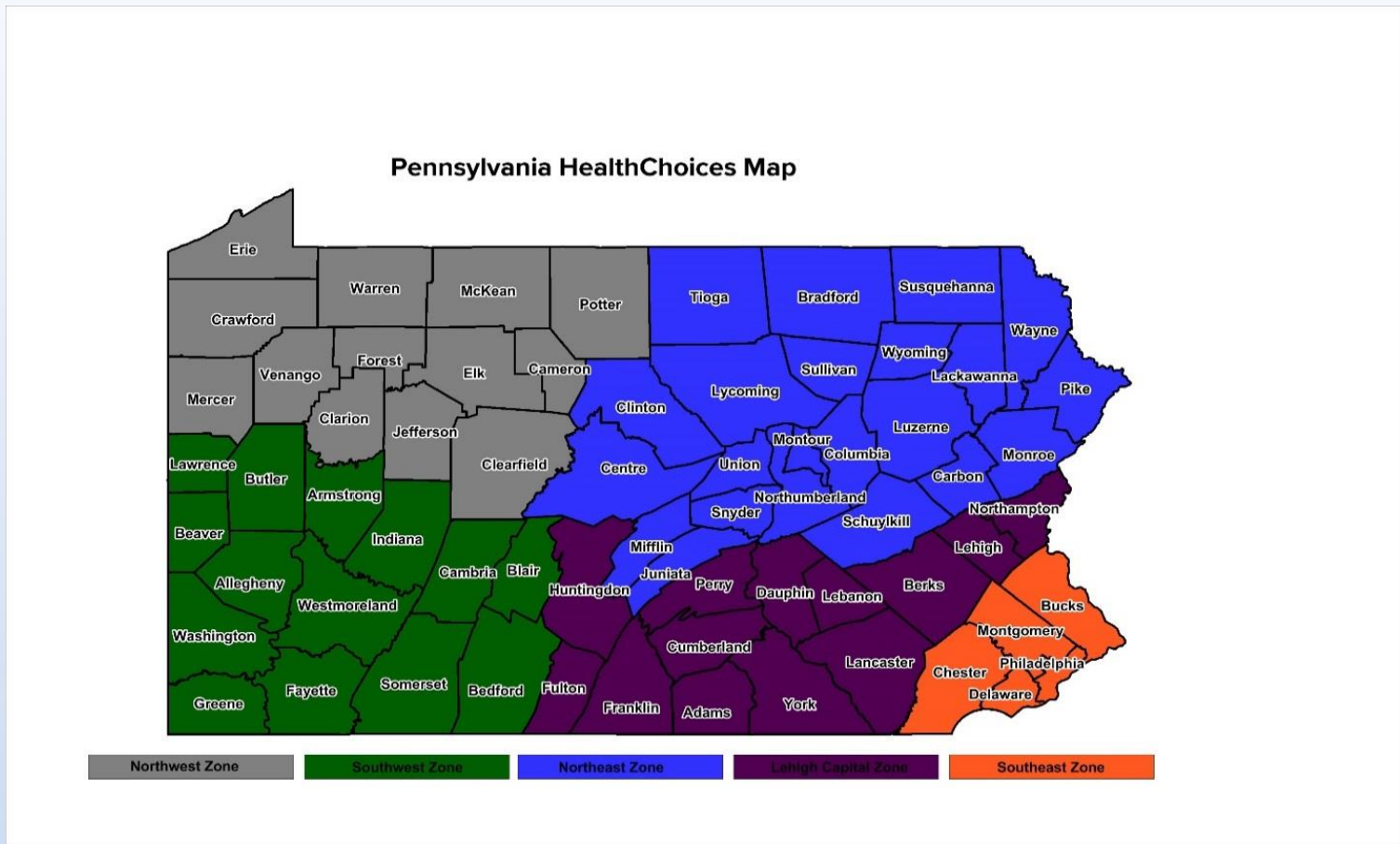
# Background - 2016

- OUD recently identified as public health crisis in Pennsylvania
- Recent marked increase in heroin overdose hospital admissions (~66% increase over 2014) and in-hospital deaths statewide (9.4% in 2016)
- OUD rate during pregnancy currently unknown
- Variable treatment and LOS for neonates with NAS
- Pennsylvania without a perinatal collaborative to improve care and outcomes to women and infants.
- AAP in favor of collaborative

# Pilot Project Goals

- Establish a perinatal collaborative structure in north central and northeastern Pennsylvania
- Improve perinatal identification and treatment of OUD in pregnant women
- Improve medical care to infants with NAS

# Pilot Project Scope



# Clinical Objectives

- Identify the incidence of OUD during pregnancy
  - Measure the show rate for prenatal appointments
  - Measure the referral rate to treatment programs
    - Determine the % that remain in treatment for one year
  - Measure the use of long acting contraception in the post-partum period
- Identify infants treated for NAS
  - Identify treatment methods utilized in infants with NAS
  - Measure the show rate for well-child visits during the first year of life.

# Pilot Project - Key Performance Indicators

- Establish a Regional Perinatal Collaborative Network
- Improve compliance with prenatal appointments in pregnant women with OUD
- Reduce NICU admissions and LOS for NAS patients
- Improve compliance of well child visits up to 12 months of age for neonates diagnosed with NAS

# Pilot Program - Structure

- Executive Director – James A. Cook, MD (0.1 FTE)
- Obstetric OUD Consultants
  - Gary Stoner, MD (0.05 FTE)
  - Dhanya Mackeen, MD (0.05 FTE)
- Program Manager – TBD (1.0 FTE)
- Project Administrator – TBD (0.5 FTE)
- Data Analyst – TBD (0.5 FTE)
- GHP Support
  - Perry Meadows, MD – Medical Director – Medicaid GHP
  - Stacey Souchak – GHP Health Choices



# Current Status

- Funding Secured: \$514,000 over 2 years
- Gathering Preliminary Data
- Exploring collaborative relationships
- Recruitment:
  - Project Manager in Geisinger Health Plan
    - Masters degree in health science, public health or related field
    - Minimum of 5 years of research/ project management experience
  - Research Assistant in Geisinger Research Center
  - Data Analyst in Geisinger Research Center
- Study Period: July 1, 2018 – June 30, 2020

## My Asks...

- Recruitment – Project Manager
- Promote Collaboration
  - Payors
  - Providers / Hospital Systems
  - Community Services
  - PA DHS
  - AAP and ACOG
  - Patients and families

# Pilot Program

**QUESTIONS?**