



# 2025 Maternal Health Data Science Fellowship



# Two communities



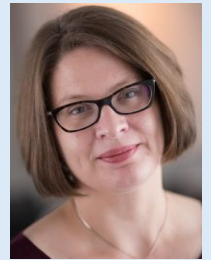
NIH's **I**mplementing a **M**aternal health and **P**regnancy **O**utcomes **V**ision for **E**veryone (IMPROVE) Initiative

Maternal Health Data Innovation & Coordination Hub

- JHU team
- Training & education



**Maternal Health  
Data Innovation &  
Coordination Hub**



Andreea Creanga,  
MD, PhD

OHDSI Community

- MS Teams environment
- Faculty



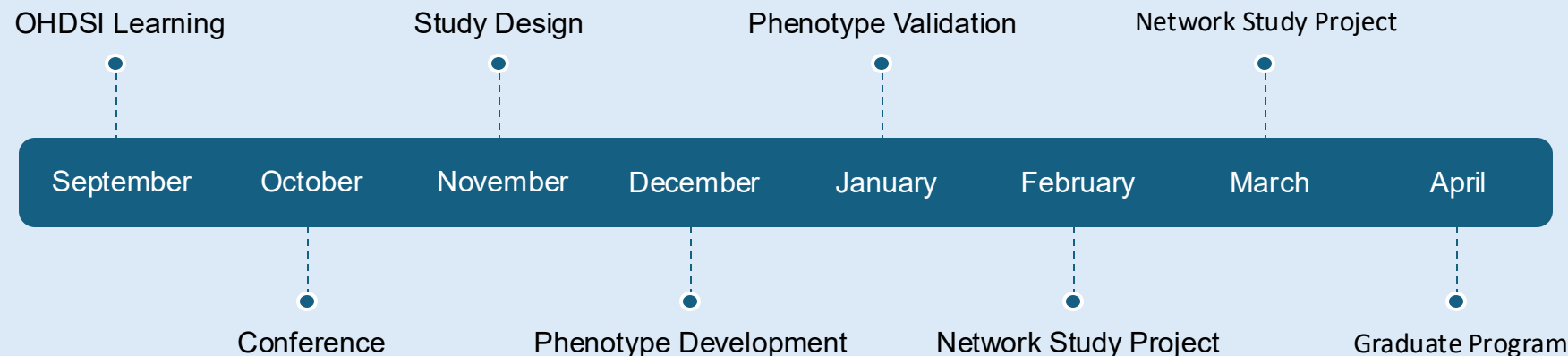
**OHDSI**  
OBSERVATIONAL HEALTH DATA SCIENCES AND INFORMATICS



# The OHDSI Maternal Health Leadership Fellowship



- Synchronous calls 1/month + PHReG WG 1/month
- 8-month leadership faculty development program
- Call went out for applications February 2024
- Notice of acceptance July 2024
- 21 Fellows from 20 Institutions!
- Program launched September 2024





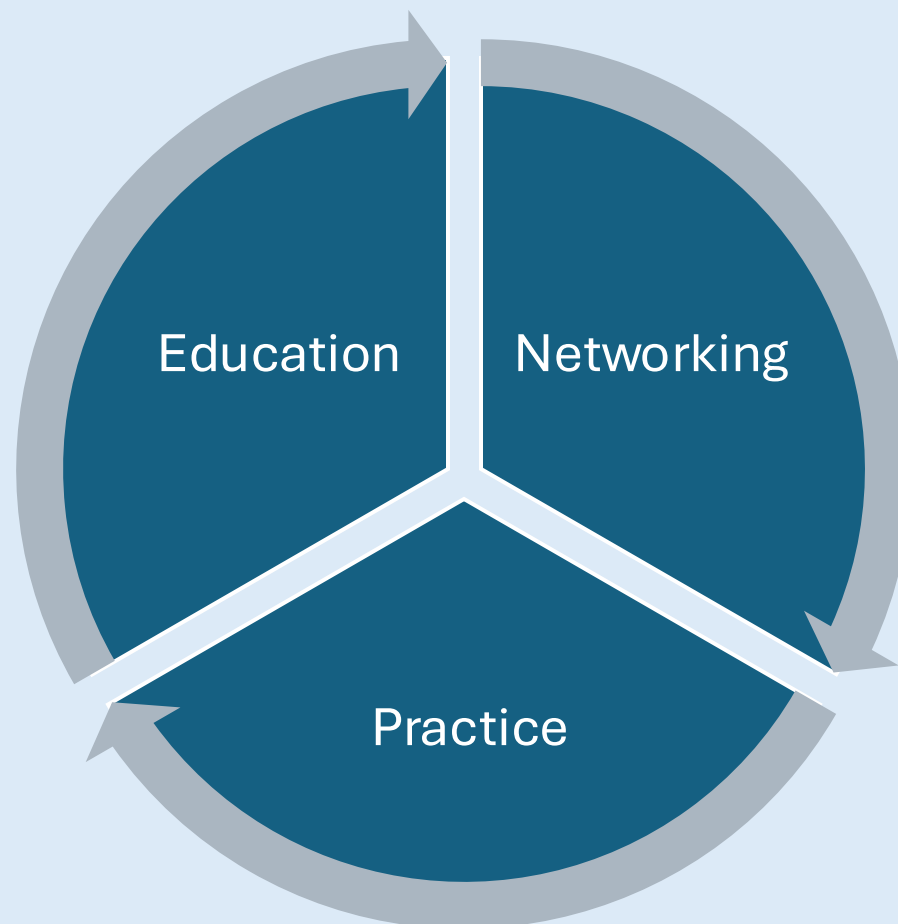
# Thank you to our Fellows!

- Adejumoke Idowu Ayede
- Alyssa Howren
- Anna Booman
- Brian Christman
- Brianna Keefe-Oates
- Brock Polnaszek
- Casey Tak
- Charles Taylor Valadie
- Elizabeth Howard
- Elizabeth Sherwin
- Hannah Bolder
- Inngide Osirus
- Jagadeesh Puvvula
- Kimberlee McKay
- Kristin Voegtline
- Linying Zhang
- Nicole Crossley
- Sadaf Kazi
- Sarah Murray
- Shannon Stevenson
- Xiao Xu
- Yacob Gebretensae



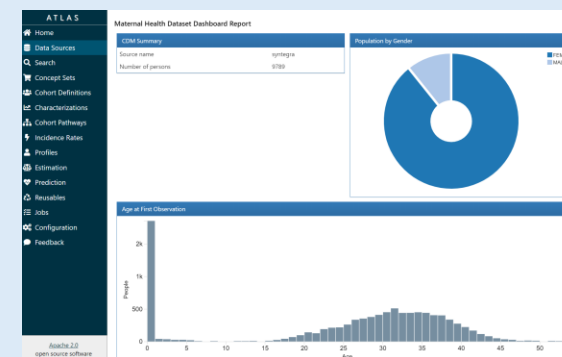
# Elements of Leadership Development

Learn about OHDSI and the OMOP CDM  
Explore how to create evidence from real world data  
Practices of reproducible observational research  
Protocol development  
Paper and Grant writing



Cohort based program  
Connecting with leaders of the OHDSI community  
Coordination with the OHDSI data network

Phenotype development and validation  
Conducting network studies across the OHDSI data network  
Hands-on practice with the tools of OHDSI





# Faculty



6 OHDSI Titan  
Award Winners



Stephanie  
Leonard, MD



Louisa  
Smith, PhD



Paul Nagy,  
PhD



Andreea Creanga,  
MD, PhD

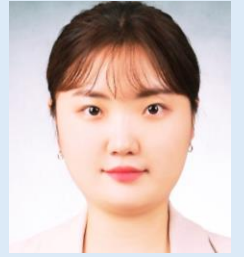


Khyzer Aziz,  
MD

# Team Organizers



Ben Martin, PhD



Haeun Lee, MS



Evan Minty, MD,  
MS



Cynthia Sung,  
PhD



Clair Blacketer,  
MS



Asieh Golozar,  
MD, PhD



Fan Bu, PhD



Cindy Cai, MD



Amanda Burgess, MPH



Sean O'Reilly





# Today's Fellow Presentations

- Estimating the risk of severe maternal morbidity among pregnant people with congenital heart disease.
  - **Elizabeth Sherwin**, Stanford University School of Medicine
- Risk of Neonatal Abstinence Syndrome Following Maternal Exposure to Buprenorphine vs Methadone Opioid Maintenance Therapy.
  - **Elizabeth Howard**, Ochsner
- Does antenatal corticosteroids(ACS) given to twins prior to planned birth (35-39 weeks gestation) reduce the risk of respiratory morbidity in the babies?.
  - **Sarah Murray**, University of Edinburgh
- Healthcare Utilization Within the First 12 Weeks Postpartum.
  - **Shannon Stevenson, Nell Hodgson**, Emory University

