

# The Impact of the Tennessee Initiative for Perinatal Quality Care

## “Opioid Use Disorder: Optimizing Obstetric and Neonatal Care” Project - Maternal Arm



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### PROBLEM .....

Opioid Use Disorder (OUD) has had a devastating impact on lives and communities at an increasing rate over the past decade throughout the US. Tennessee has experienced high rates of OUD with subsequent increasing rates of overdose, maternal deaths related to substance use disorder, and infants affected by Neonatal Opioids Withdrawal Syndrome (NOWS).

### ACTION .....

Starting in spring 2019, 13 hospitals from across the state joined the Tennessee Initiative for Perinatal Quality Care (TIPQC) to implement the American College of Obstetricians and Gynecologists’ (ACOG) Alliance for Innovation in Maternal Health (AIM) Program’s Obstetric Care for Women with Opioid Use Disorder Maternal Safety Bundle. Participating hospitals were provided a toolkit, data collection tools, and a road map for implementation. Teams participated in monthly huddles, quarterly learning sessions, and annual state-wide meetings.

### EXPLANATION OF IMPACT .....

In the first year of the project, the percent of pregnant women with OUD who were receiving Medication Assisted Treatment (MAT) at her newborn’s discharge increased from 45% to 72% - a 60% increase. During this same time frame, approximately 75% of the Opioid Exposed Newborns (OEN) were able to room-in with their biological mother for their entire hospital stay and approximately 50% were receiving their mother’s milk at the time of their discharge. By the June 2020, approximately 70% were discharged home to their biological mother. The median length of stay for those OEN who did not require pharmacologic treatment for signs and symptoms was 5 days, which matches the American Academy of Pediatrics (AAP) guidelines.

### WHO WAS RESPONSIBLE .....

The collaborative and statewide efforts of TIPQC and the participating hospitals have all contributed to this improvement. The participating hospitals are continuing their efforts to implement all of the best practices in the safety bundle with the goal to further improve the process and outcome measures.

### CONTACT .....

For more information, please contact Brenda Barker, TIPQC Executive Director, at [brenda.barker@vumc.org](mailto:brenda.barker@vumc.org), or visit our website at [www.tipqc.org](http://www.tipqc.org).

### Project Statistics

# 60%

*increase in Medication Assisted Treatment*

# 75%

*Opioid Exposed Newborns were able to room-in with their biological mother*

# 70%

*Opioid Exposed Newborns were discharged home to their biological mother*

Data captured by 11 out of 13 participating hospitals on all pregnant women with OUD

