

The Impact of the Tennessee Initiative for Perinatal Quality Care

“WAVE 1: Opioid Use Disorder: Optimizing Obstetric and Neonatal Care” Project - Maternal Arm



www.tipqc.org

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

From March 2019 to December 2020, 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

From June 1, 2019 to December 30, 2020 over 1,100 pregnant women with OUD delivered at one of the 13 participating hospitals. Eight seven percent (978) of these pregnant women delivered at one of six of these hospitals. The percent of pregnant women with OUD who were receiving Medication Assisted Treatment (MAT) at her newborn's discharge increased from an average of 67% in the first 4 months of the project to over 80% in the last 2 months of the project - a 20% increase. The percent of pregnant women with OUD who were provided a Narcan prescription prenatally or prior to her discharge increased from a mere 2% in the first 4 months of the project to over 20% in the last 5 months of the project. These hospitals were able to review over 2,350 randomly sampled charts from all the women who delivered at their facilities during the project time frame. The percent of delivery records with documented Substance Use Disorder (SUD) screening using a validated screening tool increased by 96% - from an average of 27% in the first 4 months of the project to over 53% in the last 7 months of the project.

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@tipqc.org, or visit our website at www.tipqc.org.

Project Statistics

96%

increase in the percent of pregnant women screened for SUD using a validated screening tool

20%

increase in the percent of pregnant women with OUD who were receiving Medication Assisted Treatment (MAT) at her newborn's discharge

20%

of pregnant women with OUD provided a Narcan prescription

