

Newborn Admission Temperature Initiative

TCHMB Neonatal Committee Project

Texas Collaborative for Healthy Mothers and Babies

- The Texas Collaborative for Healthy Mothers and Babies (TCHMB) is the statewide perinatal quality collaborative focused on improving birth outcomes in Texas.
- TCHMB aims to advance health care quality and patient safety for all Texas mothers and babies by partnering with providers to implement quality improvement (QI) initiatives that advance data-driven best practices. For more information, please visit the website at: <https://www.tchmb.org/>.

Collaboration between TCHMB and RAC PCR Alliance

- Goal: To establish a statewide collaborative around the Newborn Admission Temperature project.
- The RAC PCR Alliance will serve as a liaison that connects TCHMB with every single hospital stakeholder across the state.

Collaboration between TCHMB and RAC PCR Alliance

- The following are some examples of how TCHMB and RAC Perinatal Committees can work together for successful implementation of the project:
 - Information conduit between TCHMB and RAC Perinatal Committees
 - Provide technical assistance at local hospital/PCR level
 - Build skills acquisition

Newborn Admission Temperature Project

- The Newborn Admission Temperature project is a QI initiative hosted by TCHMB in partnership with the RAC Perinatal Committees to increase the proportion of newborn infants with admission temperatures within normal limits through the implementation of best practices.

Importance of Tracking Newborn Admission Temperature

- Prevention of hypothermia-related morbidity and mortality in all neonates
- Prevention of adverse outcomes associated with hyperthermia
- Reduction of variation in neonatal thermal care
- Identification of health disparities
- The Perinatal Committee of the North Central Texas Trauma Regional Advisory Council conducted the Newborn Admission Temperature project in their region, which showed positive outcomes for all newborns, including term infants. We would like to expand their project to statewide.

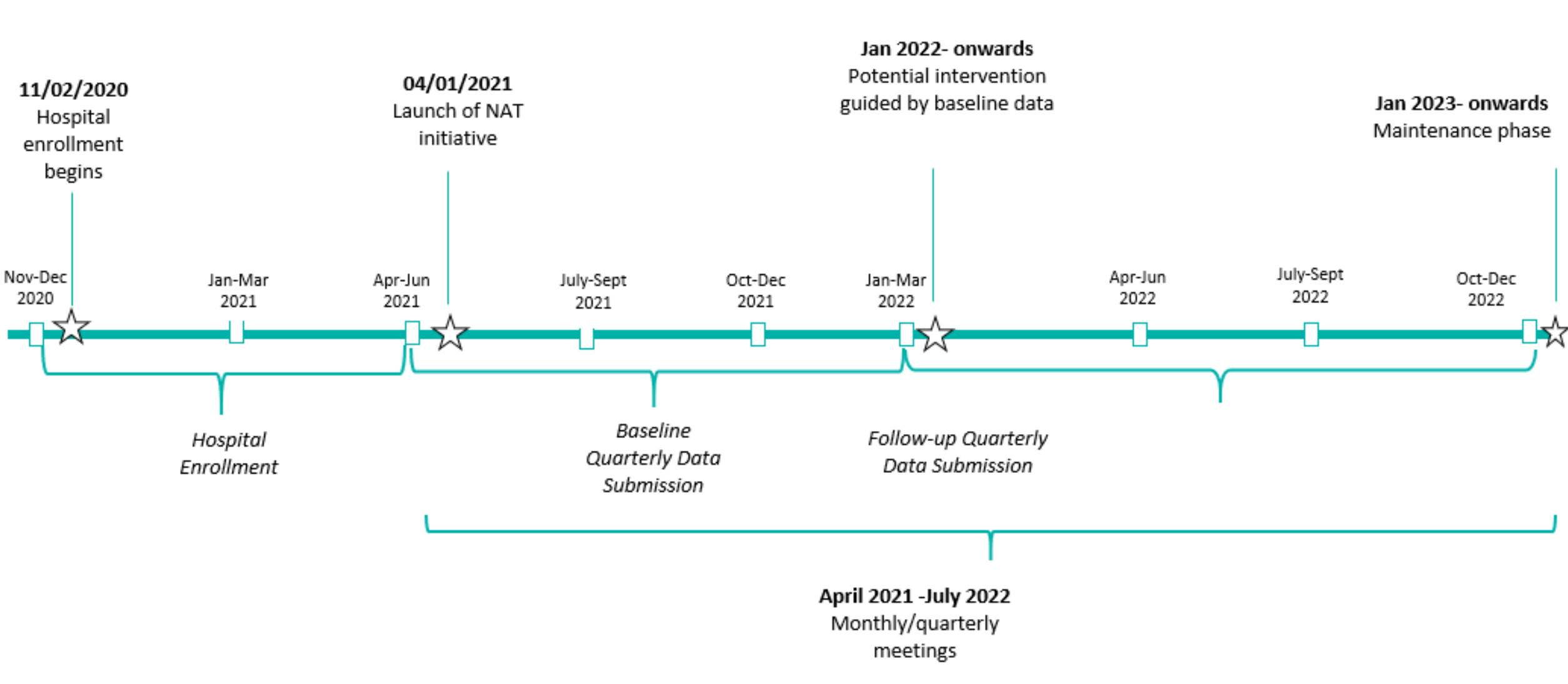
Benefit to Hospital Stakeholders

- Impact: Improving newborn care for every single newborn in the state of Texas (~400,000 annual deliveries)
- Participation in statewide QI initiative
- Provide additional metrics to inform hospital quality assurance and performance improvement programs to support levels of care designation.

Specific Aims

- Within 18 months of beginning of the project, there will be a 50% increase in the proportion of infants with normothermia (36-37.5°C) upon admission among infants admitted to NICU.
- Within 18 months of beginning of the project, there will be a 50% increase in the proportion of infants with normothermia (36-37.5°C) measured within 20-60 minutes after birth among infants admitted to newborn nursery.

Project Timeline



Major Project Activities

- Commitment to participation
 - Enrollment packet completion, including DUA
- Conduct a QI project specific to newborn admission temperature
- Provide aggregate data to TCHMB via REDCap on a quarterly basis for at least 24 months
- Serve as a potential mentor to other hospitals in your region

Enrollment Requirements

- TCHMB invitation letter
- Enrollment form and data use agreement (Current deadline: February 28)
 - To be completed by individual hospital and sent back to TCHMB team (nat@utsystem.edu)
 - DUAs may take longer, which is okay
- REDCap needs assessment survey link (Current deadline: February 28)
 - Email from: redcap@utsystem.edu
- Individual hospital submits only ONE enrollment form, DUA, and needs assessment survey.

Data Tracking

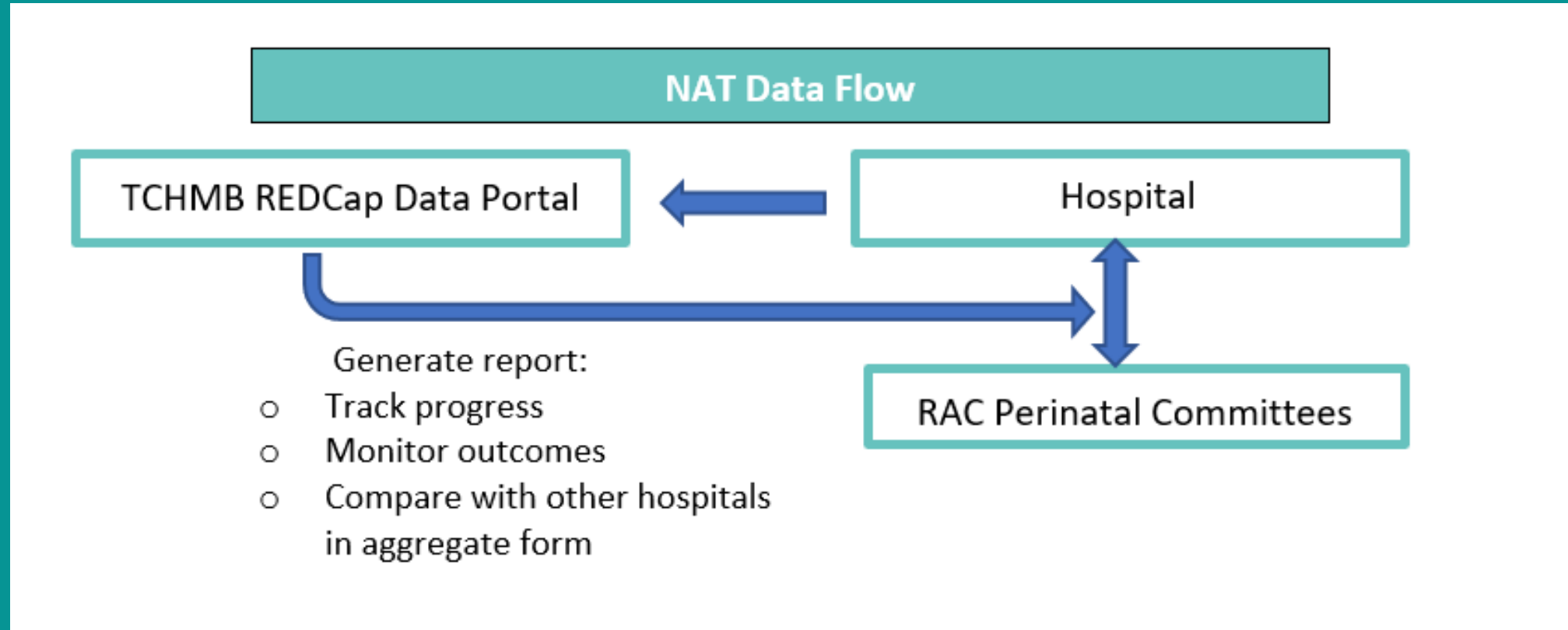
- Temperature reported for infants in mother-baby unit/newborn nursery should be between 20-60 minutes after birth
- Temperature reported for NICU infants should be the first temperature upon admission

Examples of Data Metrics

- Total number of births in the hospital*
- Total number of admissions to mother-baby/newborn nursery*
- Total number of admissions to the NICU*
- Total number of admissions with birthweight <1,500 grams*
- Total number of infants with admission temperature <36°C (96.8°F) in mother-baby/newborn nursery*
- Total number of infants with admission temperature <36°C (96.8°F) in NICU*
- Total number of infants with admission temperature <36°C (96.8°F) among those with birthweight <1,500 grams in NICU*

*These measures will be stratified by race/ethnicity.

Data Reporting



Thank you

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