

APRIL - JUNE 2023

QI QUARTERLY
VOLUME 4



PREPARED AND PRESENTED BY
SAMUEL GENTLE

PEDIATRIC SCHOLARSHIP DAY

This year's 8th annual event on April 6th, 2023 as an opportunity to illustrate research activities in the department. This year featured 7 abstracts of QI initiatives at COA and UAB with abstract review by members of POISE.

Improving Patient Flow Through Discharge Efficiency

Meghan Harrison, Chang Wu, Erin Shaughnessy

Implementing an indication-based strategy for obtaining routine chest X-rays in the pediatric ICU

Ananya Manchikalapati, William Sasser, Vidit Bhargava



Rescue Seizure Therapy for Children with Prolonged First-Time Seizures Presenting to the Emergency Department

Katherine Barnes, Jordy Roque, Hannah Vickland, Joshua Butler, Destini Smith Byrd, Khaled Al Robaidi, Adam Powell, Polly Borasino, Salman Rashid

The Bridge to Adult Care from Childhood for Young Adults with Rheumatic Disease (BACC YARD) Program, a Pediatric-to-Adult Rheumatology Transition Program

John M Bridges, Matthew Mullen, Annelle Reed, Dan Reiff, Carolyn Smith, Emily Smitherman, Matthew Stoll, Peter Weiser, Melissa Mannion

Reducing Time to Goals of Care Conversations in Invasively Ventilated Infants with Bronchopulmonary Dysplasia

Charli Cohen, Madhura Hallman, Teresa Magruder, Guillermo Beltran Ale, MD, Donna Purvis, Lindy Winter, and Samuel Gentle

Quality Improvement in Positive Airway Pressure (PAP) Clinic Visits after the COVID-19 pandemic and global Philips Respironics device recall

Mohini Gunnett¹, Valerie Tarn, Elizabeth Haracz, Kevin Miller, Caley Stogner, Shaoey Chapman, Shaakira Thomas, Linda Russo, Daphne Arnold, Laura Debiasi¹, LaShonna Stodghill, Bradley Troxler

A Resident-Led Quality Improvement Approach to Addressing Food Insecurity

Austin Oslock, Lauren Rosati, Justin Bailey, Stacy Young, Harshadayani Jagadish Kumar, Adolfo Molina

QUALITY IMPROVEMENT AWARDS

POISE WOULD LIKE TO HIGHLIGHT THE FOLLOWING RECENT QI ACHIEVEMENTS!

Fellow QI Achievement Awards

Dr. John Bridges

The Bridge to Adult Care from Childhood for Young Adults with Rheumatic Disease Program (BACC YARD) ocused on the transition period between pediatric and adult care providers for children with chronic rheumatic conditions. Through a joint visit with pediatric and adult rheumatology, patients with rheumatic conditions were seen more than 100 days sooner in this process of transitioning care following the introduction of this program.

Dr. Meghan Harrison

Dr. Harrison led an initiative that aligned with COA goals for throughput to improve early discharges and built a multidisciplinary team in order to tackle these efforts on a pilot basis within PHM. She even visited an expert site to learn about successful interventions that she is still working towards since our transition to Epic. She will remain at UAB to continue these efforts as well as being a leader in our new complex medical care program.

Outstanding Resident Quality Improvement Project Award

Dr. Charli Cohen

Details of Dr. Cohen's initiative are available in the Project Spotlight.

Faculty Quality Improvement Achievement Award

Nominations for this award open August 1st. The Quality Improvement Achievement Award recognizes faculty engaged in quality work designed to improve health outcomes in children of Alabama. Criteria will include representation of quality work at regional and national conferences, continued commitment to QI education, publications, QI related awards, and other professional activities.

WRITING WORKSHOP

**Need Guidance in Getting Your
QI Work Published?**

**POISE is organizing a workshop for either
late summer or fall. Complete the survey
below to inform the workshop's format
and we will do our best to accomodate.**



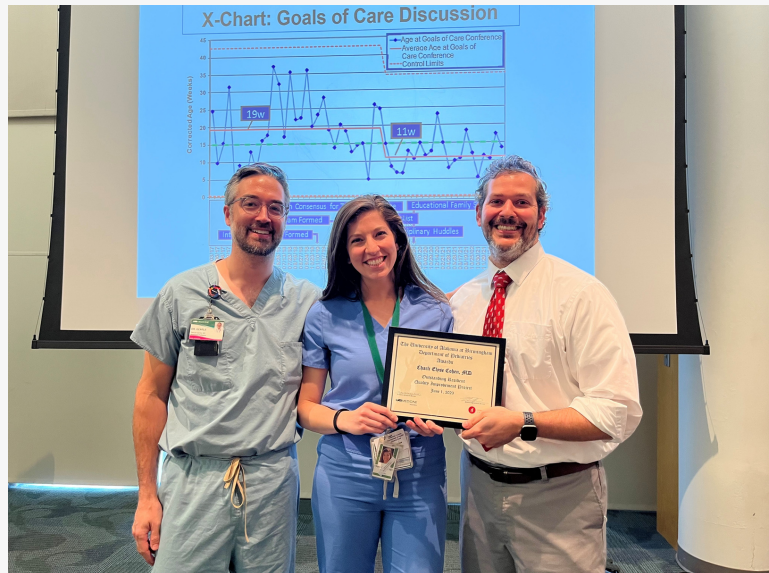
PROJECT SPOTLIGHT

REDUCING TIME TO GOALS OF CARE CONVERSATIONS IN INVASIVELY VENTILATED INFANTS WITH BRONCHOPULMONARY DYSPLASIA

Charli Cohen, MD, Madhura Hallman, MD, Teresa Magruder, MD, Guillermo Beltran Ale, MD, Donna Purvis, MSN, Lindy Winter, MD, and Samuel Gentle, MD

Background: The challenge of identifying preterm infants with severe forms of bronchopulmonary dysplasia (BPD) who will develop technology dependence (e.g. tracheostomy) may delay goals of care discussions with families.

Identification of postnatal ages beyond which noninvasive ventilation is unlikely and timely goals of care discussions may reduce the time to tracheostomy, time to discharge, and improve long term neurodevelopment.



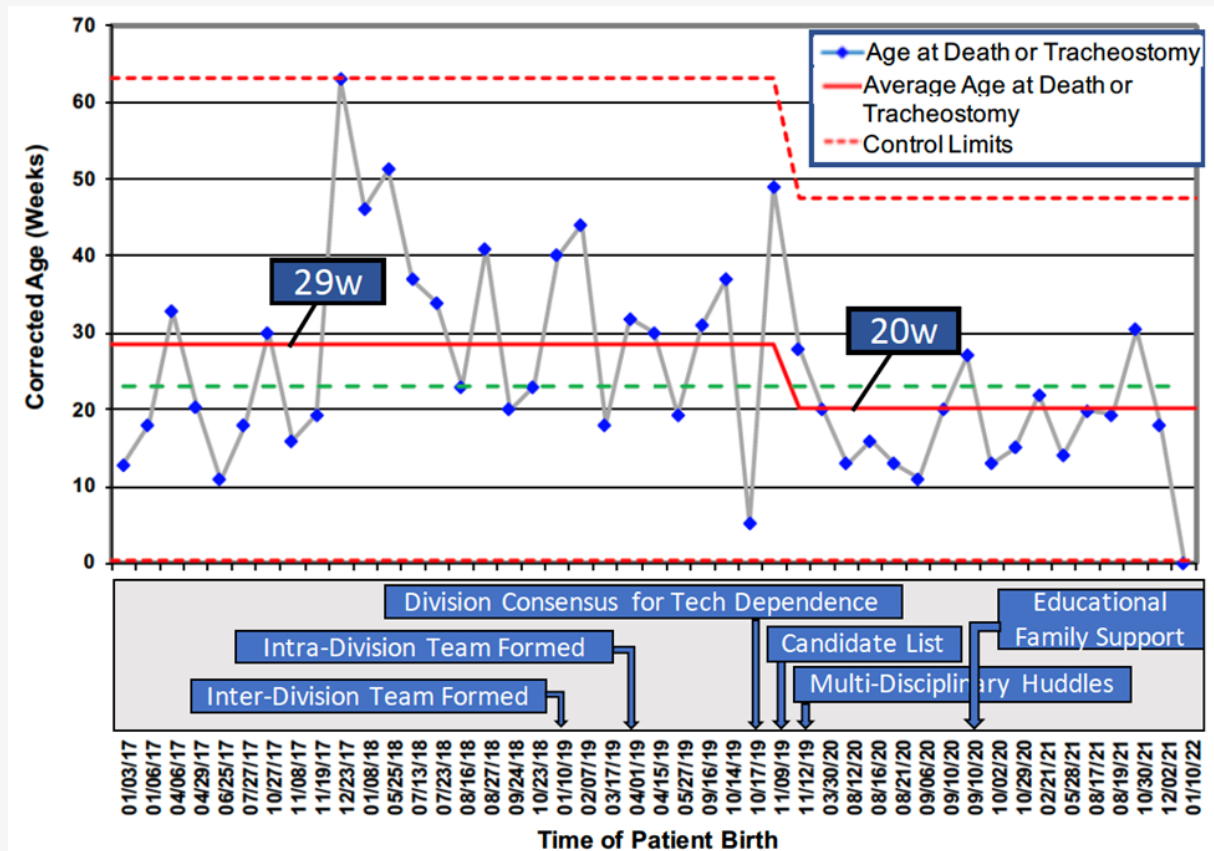
Charli Cohen, MD accepting the **Outstanding Resident Quality Improvement Project Award**

The SMART aim of this initiative was to reduce the corrected age (in weeks) of goals of care discussions by 20% in preterm infants with grade 2-3 BPD and prolonged invasive ventilatory requirement within 1 year.



This multidisciplinary group included infants born at <29 weeks' gestation with a prolonged need for invasive or noninvasive ventilation. PDSA cycles included determination of a division consensus for technology dependent BPD, development of a tracheostomy "candidate list" informing monthly multidisciplinary meetings of candidate infants, and development and utilization of tracheostomy educational content.

Results: Over the 3-year period, the average postnatal age of goals of care discussions decreased from 19 weeks to 11 weeks. Additionally, the average postnatal age at death or tracheostomy decreased from 29 weeks to 20 weeks.



X-chart depicting the postnatal age at death or tracheostomy during the baseline period and by PDSA cycle.

Conclusions: Ensuring goals of care discussions occur in a timely and standardized process may reduce the postnatal age of goals of care discussions, tracheostomy, and discharge and further optimize neurodevelopmental outcomes in a high-risk population of preterm infants.

4TH ANNUAL SAFETY & QUALITY DAY

Join us in person or virtually to learn about safety and quality efforts around the institution. Plan to attend for a few hours or all day.



Children's
of Alabama*

UAB MEDICINE.

Hosted by Children's of Alabama & UAB Department of Pediatrics

Save the Date
Thursday
October 19, 2023

Abstracts should be submitted by Friday, September 1st using the REDCap form accessible using this QR code.





OUR PROGRESS

UPDATES FROM THE OFFICE



THE STATE OF QUALITY IMPROVEMENT

Quality Improvement Education

To help develop the next generation of improvers, Dr. David Galloway will be curating a four part QI curriculum given the resounding need voiced by division directors across the DOP. These didactics will take place on the dates below.

8/4/23

11/10/23

2/2/24

5/10/24



OUR PROGRESS



US News and World Report

Mahek Virani, in partnership with the PI office, has been diligently reviewing the recent release of hospital rankings to identify opportunities for improvement across the DOP. If your division identified an improvement opportunity and you would like assistance in achieving improvement, POISE can help!



DIVISION OUTREACH

Every month, the POISE engages with a division within the DOP to discuss opportunities for POISE engagement including education, project management, and recognition. For this quarter the POISE engaged with the divisions of **Endocrinology & Diabetes, Neurology,** and **Rehabilitation Medicine.** While we plan to meet with all divisions, should you have an interest in getting scheduled earlier in the year, please reach out to us at POISE@uabmc.edu.

We're here to help you improve!

Get in touch:

POISE@uabmc.edu



PROJECTED TIMELINE

TASK	START DATE	END DATE
QUARTER 03 QUALITY AND SAFETY DAY		SEPTEMBER 2023
QUARTER 04 MOC PART 4 APPROVALS WRITING WORKSHOP	OCTOBER 2023	DECEMBER 2023
QUARTER 01 DASHBOARD ENHANCEMENT	JANUARY 2024	MARCH 2024