#### Emory Conference on Breastfeeding April 12, 2024



Optimizing Newborn Nutrition in Georgia: Early Lessons of a Collaborative QI Improvement Initiative

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#### **Disclosures**



- · Noveome, Scientific Advisory Board
- Infant Bacterial Therapeutics/Premier Research, DSMC

## **Objectives**



- · Discuss the Motivation for Optimizing Newborn Nutrition
- · Review Key Measures of Newborn Nutrition in Georgia
- · Discuss Our Model for Improvement
- · Report on Performance of Key Measures to Date
- · Share our Future Goals for 2023-2024

Ob.	jectives
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The GAPQC Neonatal Journey

2011-2013-2012 2014 Creation Pilot of GAPQC initiatives

2014-2016 Congenital heart disease screening

2017-2018

Antibiotic Stewardship (with VON)

2019-2021 Neonatal

abstinence syndrome (with VON)

2022-2024 Optimizing

Nutrition for Georgia Newborns

# How is Georgia doing with newborn nutrition? mPINC 2020 data N/A <60 60-69 70-79 80-89 ≥90

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#### Strengths

- >80% of Georgia hospitals have the ideal response for...
  - Transition
  - Glucose monitoring
  - Post-discharge follow up visit
  - Post-discharge breastfeeding support
  - Documentation of exclusive breastfeeding

#### **Areas for Improvement**

- · Response rate (56%)
- <40% of Georgia hospitals have the ideal response for...
  - Mother-infant separation for procedures
  - Formula-feeding of breastfed infants
- · Written policies

Slides courtesy of Dr. Kristin Marks, CDC

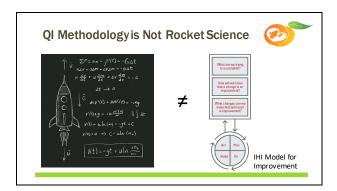
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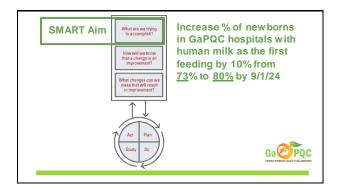


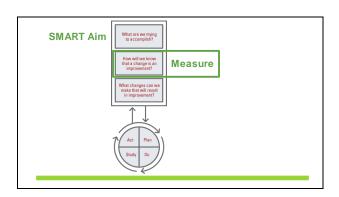
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**HOW can WE improve?** 





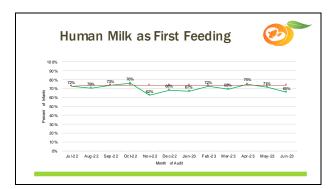


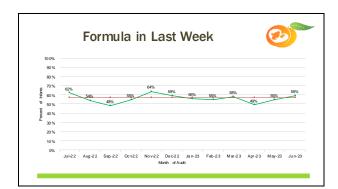
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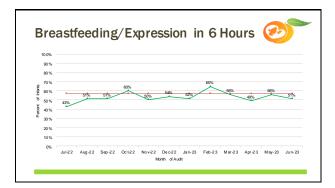


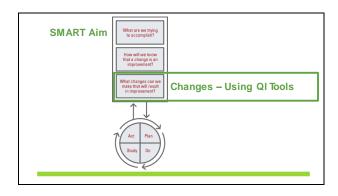
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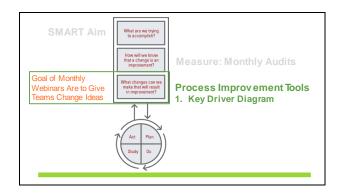
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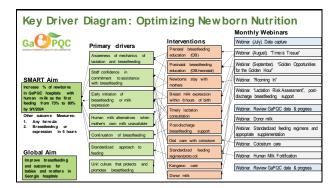


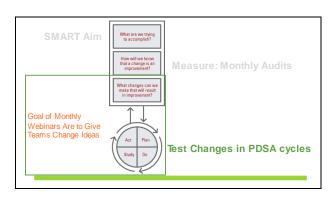












PD	SA	C١	/C	es



- - State the test objective and make a prediction about what will happen.
  - Develop the plan (Who? What? When? Where? What data?)
- - Carry out the test and document problems and unexpected observations.
- Study
  - Analyze the data and summarize what was learned.
- Act
  - Adopt, Adapt or Abandon based on what was learned.
  - Plan next test, consider testing in a larger group or different setting.

Adags Improve the change and Plansichanges for next last 

# PDSA Cycle: Example



- Test a new parent information sheet for Hepatitis B vaccination.

   Nurse Judy will give the information sheet to the mother of her first patient on Tuesday and obtain feedback using a form.
- Do New vaccine sheet handed out.
  - New vaccine sneet remove out.
     Feedback form completed and obtained from patient's mother.
- Study
- Font was too small to read.
   Some language was hard to understand.
- Act

  - Adapt: Font enlarged. Reading level decreased to 8 ft grade.

    Nurse Judy will test new sheet again on Thurs for all 4 of her patients.

# **RULE**:

Testing ≠ implementation





## PDSAs are more than just ....



- Collecting data
- · An educational program
- Developing policies or protocols
- · Implementing a solution
- Want to test something until your team is reasonably confident process will actually happen as intended

#### Implement changes that work



- · Develop written policies
- · Incorporate into standard workflow
- · Provide unit-wide or practitioner-wide training
- · Make necessary investments
  - Purchase items, hire new people, change schedules, etc.
- Will require some day-to-day feedback before it becomes part of the standard process and may require more PDSAs

Jain M. Road Map for

# SMART Aim What are we trying to accomplish? How will we know that a change is an elegative sheet. What changes can we in improvement? Changes 50% of GaPQC hospitals report changes to care processes, policies, or procedures in the past, year!

Georgia	Has	Been	Busy	
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"A lot. Each unit (NICU, LD, and MB for each campus) has a breastfeeding goal as their unit metric. Each unit participated in creating the key driver diagram (KDD). The KDD and monthly stats are discussed at each monthly Women and Children Leadership meeting to discuss what's working and what is not working. Metrics and charts are made into slides to present to each unit for their staff meeting with a tip on what to work on using "Know-Do-Say" method... Directors communicate with staff individually on if there were circumstances that lead to not meeting goal, what is seen in the chart, and what improvements can be made."

#### Georgia Has Been Busy!



"Allowed for donor milk up to 34 weeks and the weight of 1800s grams, rather than cutting off at 32 weeks and 1500 grams."  $\,$ 

"Initiating lactation and breast-feeding education within 24 hours of admission, and routine follow up. More frequent use of donor EBM."

"Updated feeding protocols, advancing feeds faster"

#### Georgia Has Been Busy!



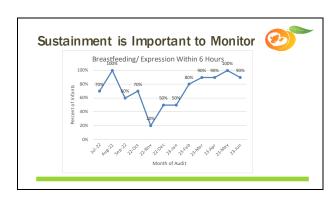
"Breastfeeding checklist for nursing to fill out. Hand expression trainings to nursing staff from our lactation specialist. Implementing a NICU specific lactation specialist."

"Encouraging rooming- in. Educational information about rooming in given to OB office to be handed out. Educational flier about rooming- in placed in all rooms."

"Director speaks to any nurse leaving formula in rooms that did not request formula."  $\label{eq:control}$ 

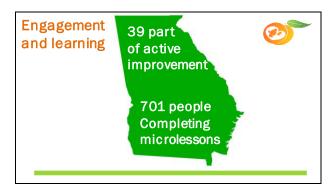


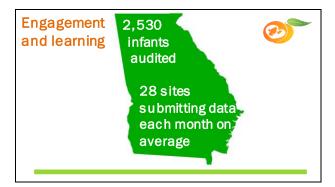




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Structure Questions	Jul-22	Jan-23	
Policy on milk collection, storage and administration	93%	79%	
Physicians on the team	79%	87%	
Policy on breast pump access, teaching and use	68%	86%	22 hospital units
Policy on hand expression of milk	68%	68%	responded in July
Policy supporting routine newborn care in the mother's room	68%	95%	and 25 responded Jan 2023
Policy on donor milk use?	64%	64%	
Policy on skin-to-skin care andearly lactation	61%	91%	
Policy requiring breastfeeding education for new staff and continuing education	57%	78%	
Policy on supplementation that lists medical indications and guidance for supplementation of breastfedbreast milk	50%	70%	







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# THANK YOU TO THE NEONATAL COMMITTEE AND OUR STATE DPH PARTNERS AND CDC FOR FUNDING