⊗KERITON

BUILT WITH NICU TEAMS, FOR NICUs

Keriton Kare is a HIPAA-compliant, fully automated solution to address the challenges related to feeding management at a NICU. The solution includes two apps – Kare Mom, for moms, and Kare Nurse, for hospital staff.

Keriton Kare saves critical nurse time and eliminates errors. With real-time analytics, notifications and engagement solutions, the platform also enhances the pumping experience for moms.

WHY KERITON?

Increased Safety - identify and prevent errors other scanning systems miss

Better Outcomes - helps moms stick to pumping longer and increase production

Lower Costs - spend less on capital and operational expenses

www.keriton.com

Results You Can Count On

Two years of data collected at 36 ADC NICU

367
Near-Miss Errors
Prevented $2.5M in HIPAA Violations

13,000
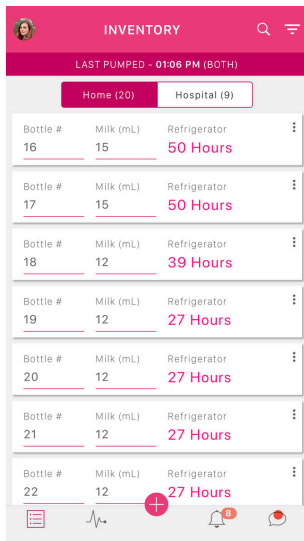Nurse Hours Saved

50%
Reduction in Expirations

40%
Increase in Milk Received

83mL
More Milk Pumped for Every
1 Photo Shown to a Mom

KARE MOM

It All Starts with Mom
Labeling each bottle by hand is error-prone.

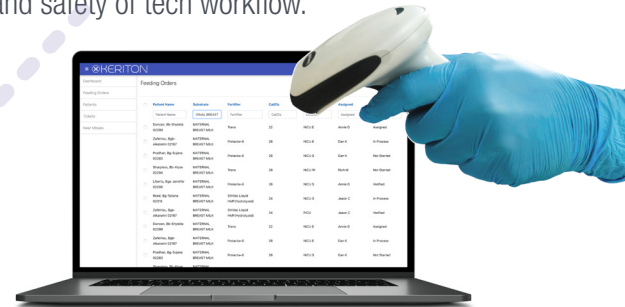Moms log each pumping session using smartphones to scan pre-printed barcodes.

KARE TECH

For Prep, Safety is Key
Feed order review, prep and calculations are manual and inefficient.

Seamless review, sorting, calculation, and assignment of feed orders improves speed and safety of tech workflow.

Pre-Printed Barcode Labeling Is the Hub of the Workflow

KARE LACTATION

Lactation Consultants Intervene on Time
Lack of timely information delays help to moms experiencing difficulties.
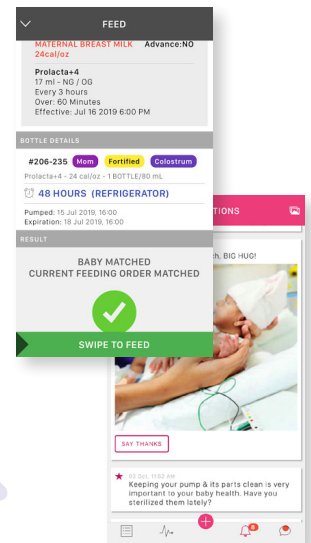
Only Keriton provides access to real-time lactation data, reducing reaction time from days to minutes, to help mothers improve production.

KARE NURSE

For Nurses, Safety is Key
"Bartending" is labor-intensive and error-prone. Mistakes occur, despite 2-RN checks.

Barcode scanning increases reliability, saves time, and eliminates the need for redundant checks.

INTEGRATION
Integrates with EMR & ADT: Allscripts, Athenahealth, Cerner, Epic, Meditech and all others

Integration Partner: **REDOX^**

THE TECHNICAL DETAILS
- HIPAA-compliant cloud server
- iOS, Android, and computer/browser compatible
- Software-as-as-Service (SaaS) platform: no server to host, no IT time to maintain, all new releases/upgrades included
- Enterprise encryption
- Third-party audited

⊗KERITON

Schedule your demo today!

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Connecticut Children's

Innovative Technology to Improve Patient Feeding Safety

GLOBAL AIM
The safe administration of feedings
in the hospital setting

BACKGROUND
A 2018 risk assessment of human milk and formula feeding in the inpatient setting:

Human Milk
- No centralized, aseptic milk preparation area with designated milk preparation staff
- Two person check necessary to confirm correct milk for patient
- Manual labeling
- Inability to track location
- Discharging to home without all bottles (or with wrong bottles) of breast milk
- No ability to track administration and safety data.

Formula
- No tracking of expiration
- No double check of right feed for right patient
- Powdered formula cups sent for bedside fortifications

PROJECT GOALS
- Improve patient quality and safety (feeding)
- Increase transparency around feeding errors/near miss reporting
- Advance patient engagement and satisfaction

BEST PRACTICE
Centralized Milk Preparation & Bar Code Scanning

EVIDENCE
- Bedside preparation 24x more likely to be contaminated (p < 0.001) *Steele C. et al. JADA* 2008
- Centralized breastmilk handling and bar code scanning improve safety and reduce breastmilk administration errors. Steele C., Bixby, C. *Breastfeeding Medicine* 2014

GOVERNING BODIES
- Academy of Nutrition and Dietetics
- Human Milk Banking Association of North America (HMBANA)
- American Society for Parenteral and Enteral Nutrition (ASPEN)
- National Association of Neonatal Nurses (NANN)

WISH LIST
- Bar code scanning to replace 2-person check
- New labels that did not require multiple documentations
- Epic integration
- Inventory management
- Patient engagement

METHODS
- Creation of the CT Children's Human Milk and Formula Strategic Planning Committee, Spring 2018
- Product demonstrations and evaluations
- Site visits (CHOC, CHOW, YNH, HUP)
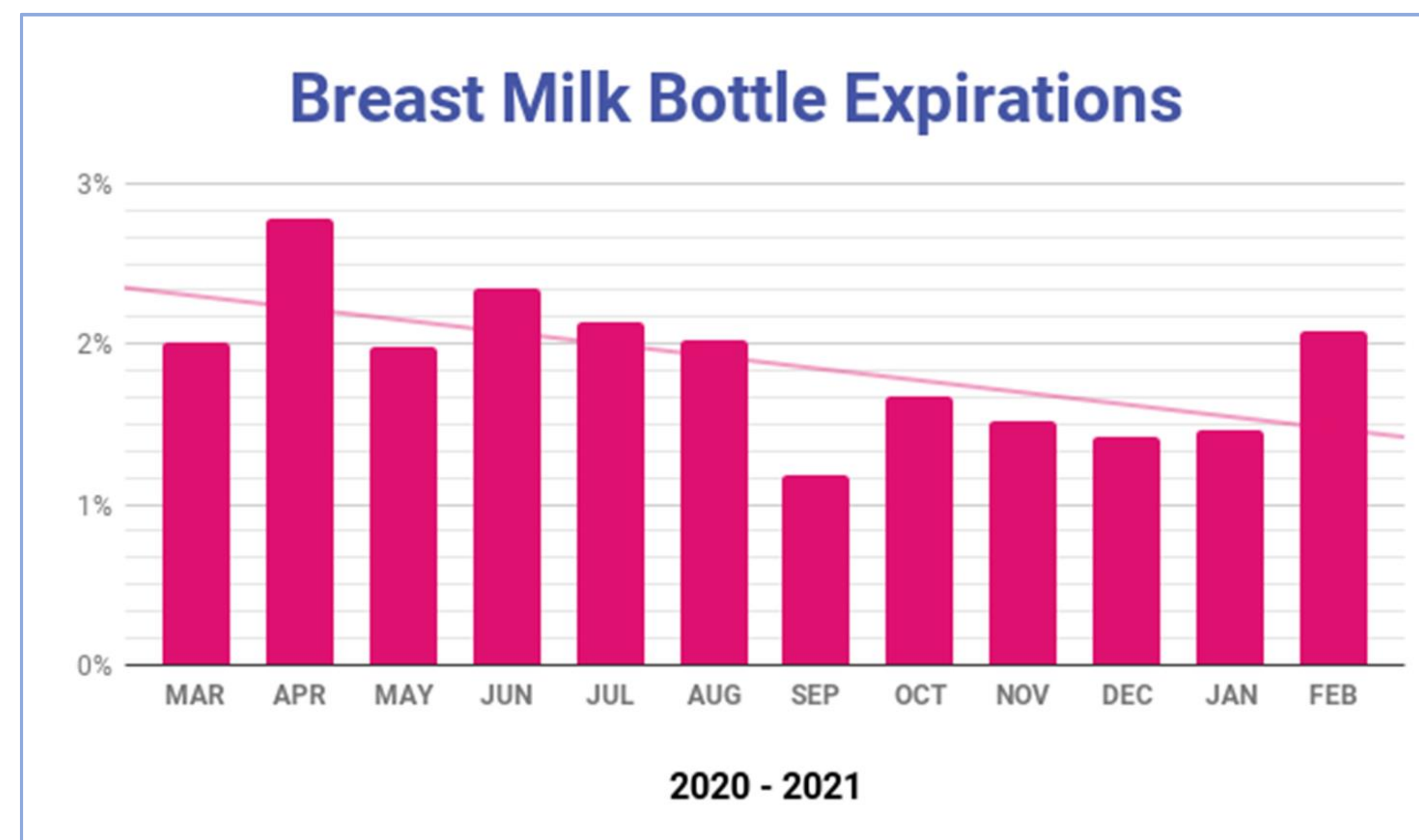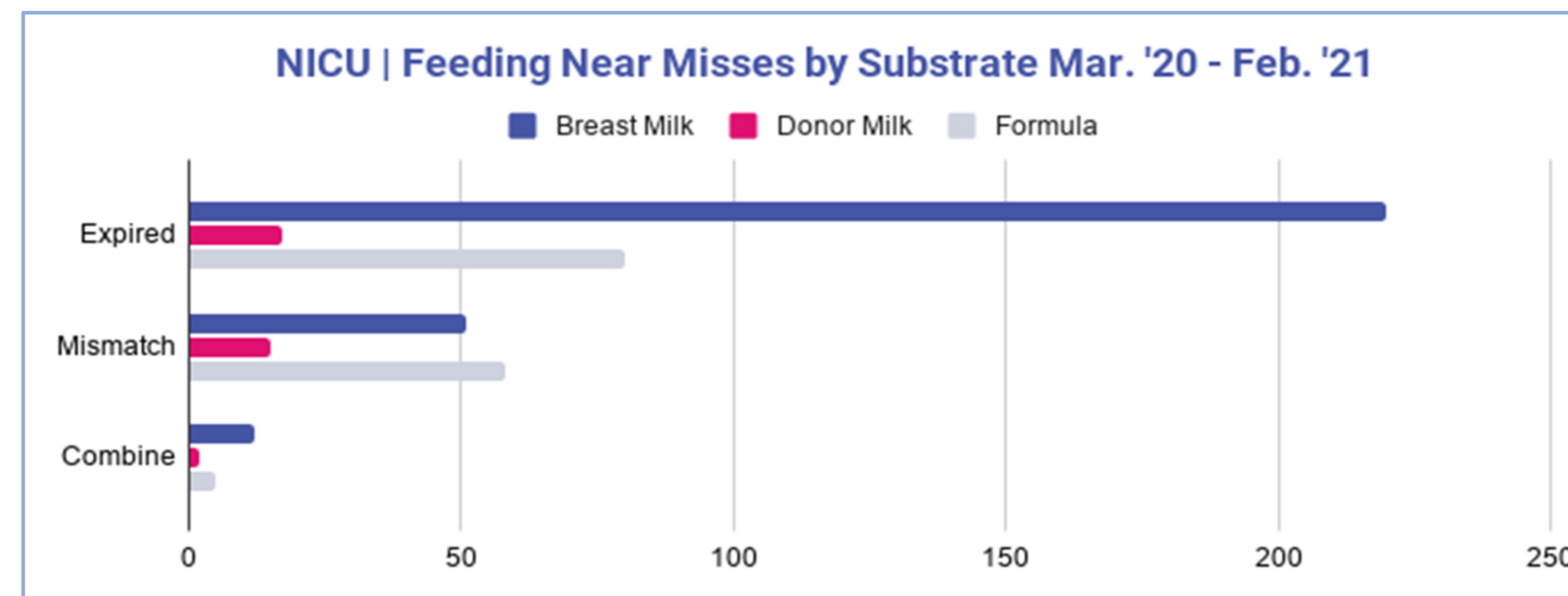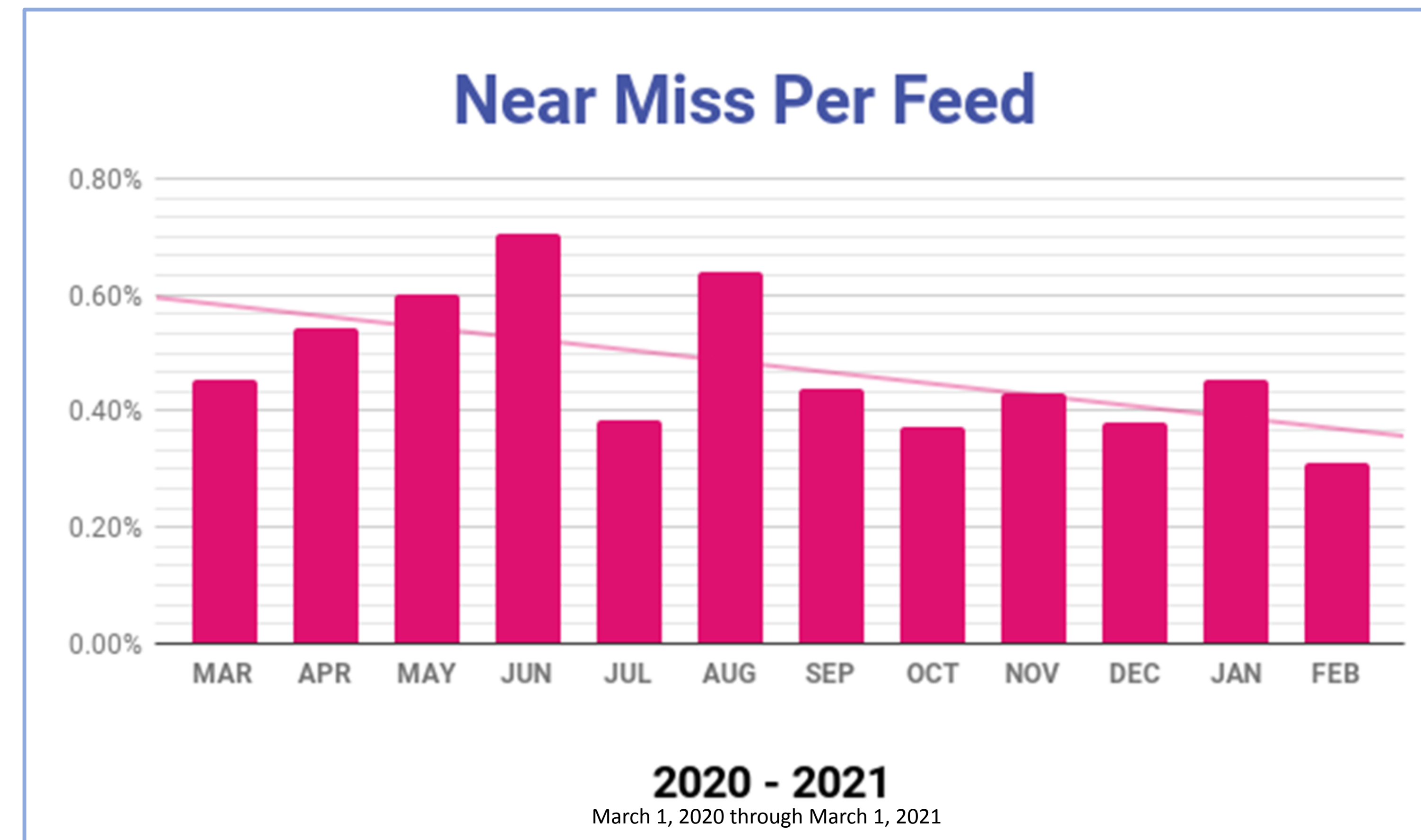- Conference calls with hospitals currently utilizing system
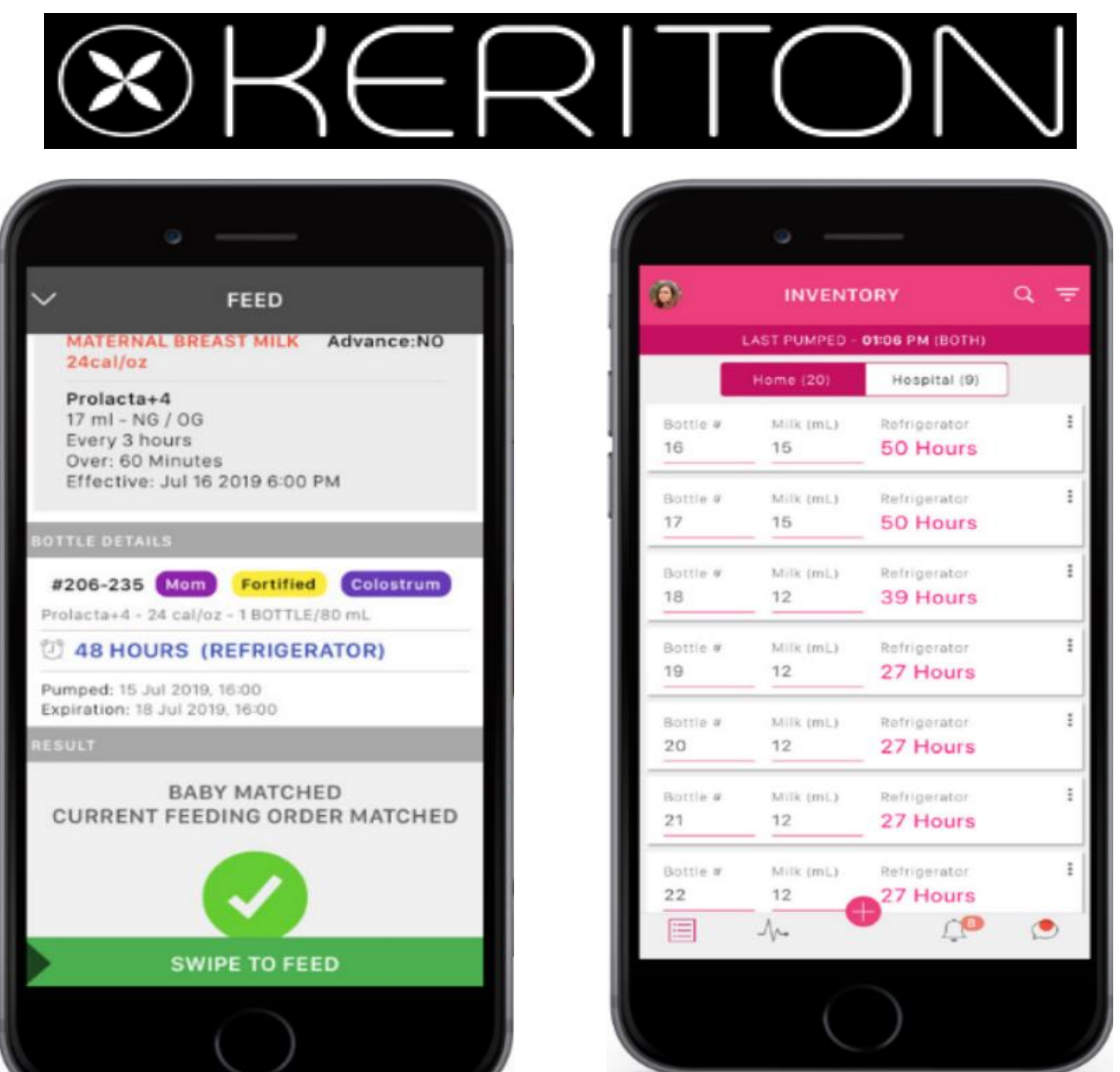
RESULT
- Keriton Feeding Management System

Near Miss Per Feed
2020 - 2021
March 1, 2020 through March 1, 2021

NICU | Feeding Near Misses by Substrate Mar. '20 - Feb. '21
Breast Milk — Donor Milk — Formula
(Expired, Mismatch, Combine)

Breast Milk Bottle Expirations
2020 - 2021

KERITON DESIGN AND FEATURES

- **Created by NICU RNs/LCs**
- **3 HIPAA-compliant applications:** Kare Nurse, Kare Mom and Kare tech
- **Validation engine** catches near-misses throughout the feed preparation process as well as during bedside scanning.
- **Automated inventory management** with home & hospital inventory view and smart expiration management of breast milk and formula, without relabeling bottles.
- **Bi-directional integration with Care Navigator:** ADT data and orders go across to Keriton and feeding documentation files back to Care Navigator
- **System notifications** for expiring milk, low milk-stock, missed pumping sessions etc.
- **Real-time dashboard** to track mother's pumping yields and proactively counsel high risk moms.
- **Secured chat & photo sharing** patient engagement tools to help mother's adhere to their pumping schedule and work towards their milk supply goals.

KERITON

KERITON OUTCOMES
March 1, 2020 through March 1, 2021

- On-boarded 779 patients
- Shared 5,815 photos
- Validated 54,066 feedings
- Managed 19,823 bottles of breast milk
- Managed 3,328 bottles of donor human milk
- **Caught 345 near misses**

PATIENT AND FAMILY EXPERIENCE
Quotes from mothers:
- *"Seeing the line on the graph in the app go up motivates me to keep pumping!"*
- *"Thank you for the photos! They kept me going when I felt so disconnected from my baby in the beginning."*

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