

# Implementation of Barcode Scanning To Promote Safe Administration of Expressed Breast Milk (EBM)



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## Background

American Academy of Pediatrics promotes maternal breast feeding for the first 12 months of life

- Treat Expressed Breast Milk as a medication
- Potential sentinel event related to blood born pathogens
- Errors are emotionally & psychologically devastating to families



## Problem

Actual and near miss events of EBM misadministration

- Inconsistent verification of feedings at bedside
- Multiple Points for errors
  - Maternal/Staff handling
  - Storage
  - Preparation
  - Feeding

## Implications for Practice

- Leveraging technology to eliminate the need for two RN verification
- Medication administration workflow utilized to design EBM scanning workflow
- Increased nurse satisfaction, and confidence with administering correct EBM to correct patient
- Enhanced tracking of EBM administrations, near miss, and events

## Goals

Eliminate misadministration events

- Standardized Process for EBM verification
- Leverage technology as a solution to eliminate human error during verification
- Reduce errors to 0%

## Lessons Learned

- Evaluate label configuration
- Need for hand held devices
- Consistent scanner programming
- Evaluate points of highest risk for misadministration to reduce nursing workload with multiple scans to assure compliance
- Maternal confidence in label-maternal name and DOB as additional verifier

## Implementation

Stakeholders involved in workflow design and roll out

- Phased roll out by region
- Recruit super users
- Training
  - Tip sheets
  - Hands on training
  - Audio visual

