

# Updating the NICU Nutrition Calculator

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# The Problem:

- ▶ The NICU Calculator was created in 2014 as an extremely detailed excel spreadsheet to calculate micro and macronutrients of an infant's feeding plan. Programming was originally done to include all necessary enteral and parenteral components to be used within the calculator interface. Over the years, additions and updates to the database have occurred but never a comprehensive review of every component.
- ▶ It's time to assess corporate needs and review the calculator database to ensure accuracy.

## AIM Statement

The NICU Dietitian Quality Improvement Team will achieve 100% review and update of NICU calculator enteral components within 6 months of the start of review process.

# The Team:

- ▶ Hospital NICU Dietitians
- ▶ Intermountain Healthcare NICU Dietitian Team Leads
- ▶ Clinical Nutrition Manager

# Change Management

- The NICU Dietitian staff and Clinical Manager were all very supportive of the project as the new additions and updates to the NICU Calculator would help ensure the most accurate nutrition reports for their patients

# PLAN- Fishbone

Problem: Outdated Corporate NICU Calculator

▶ Causes:

- ▶ Process: no current update schedule
- ▶ Equipment: current excel system may soon be incorporated into computer charting system
- ▶ People: only 1-2 people can be in charge of corporate level updates
- ▶ Material: new formulas are being created and updated constantly

# Baseline or Collected Data

- ▶ 126 enteral components in existing calculator database to be reviewed
- ▶ Unknown amount of new products to be added to the calculator

# DO- Implementation Plan

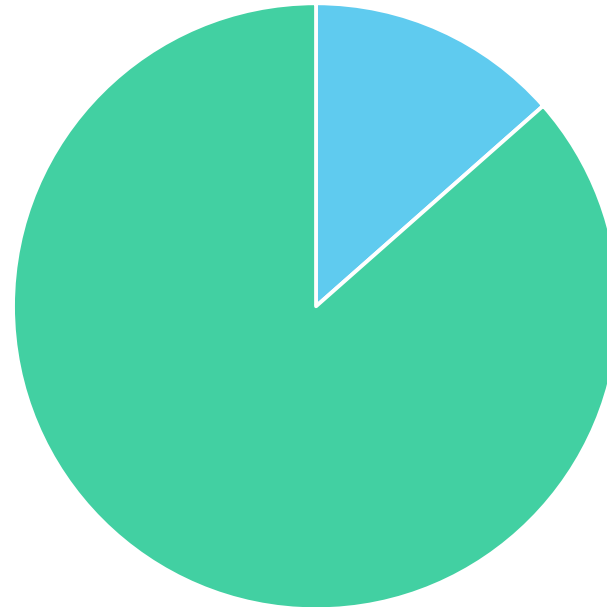
1. Call for requests for new/additional products to be added to the NICU Calculator from NICU Dietitians
2. Assess validity of these requests via the Intermountain Healthcare corporate formulary
3. Add approved enteral components to corporate database
4. Review all remaining enteral components in corporate database for accuracy by comparing to up-to-date product guide information
5. Decide upon consistent review schedule to avoid overwhelming process in the future



# STUDY- In Progress

- No new products identified to be added to the calculator
- Review process of existing enteral products has begun

NICU Calculator Enteral Products



■ Completed Review ■ To Be Reviewed

# LESSONS LEARNED

- ▶ Original RD training for the calculator was first done 4 years ago. Since that time the majority of NICU RD positions have turned over. Basic calculator knowledge was lacking, such that it wasn't understood that uncommon custom products could be added to a single patient without being programmed into the corporate calculator database. Webex training will be set up to teach this process.
- ▶ Met with the challenge of trying to get up-to-date product information and waiting on product representatives to provide information on certain products!

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