

Improving the Breast Milk Scanning Process

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Improving the Breast Milk Scanning Process

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Goal

To provide a comparable solution to a homegrown breast milk scanning application when implementing an organization wide EMR.

- Match mother's breast milk to baby before feeding
- Match multiple breast milk bottles to baby when fortifying
- Increase compliance reporting
- Eliminate issues related to mother's account

Strategies

- Worked with vendor to determine options
- Reviewed processes implemented by other organizations for possible adoption
- Identified breast milk feeding order number as key to eliminate multiple mother account issues-need to ensure only one order for breast milk was entered

Key People

- NICU Nursing Director
- Willow Analyst
- NICU Educator
- Orders Analyst
- Clinical Documentation Analyst
- Clinical Informaticist

Documentations & Reports

I/O Flowsheet Rows

Intake	Output	2/29/16	3/1/16
Breast Milk		1100	1400
Intake		1653	1700
Intake Pump In			1100
PCA/PCEA Assessment	Breast Milk	*1 Bottle	*1 Bottle
	Breast Milk Scan	*1 Bottle	
Medications	Breast Milk - P.O. (mL)	48	55
	Breast Milk - Tube (mL)		30

MAR Screen with Chart Words

Documented By: OBSTETRICSLD, NURSE
Schedule Date/Time: 03/01/16 10:43

Medication: breast milk (for label printing) 1 Bottle : Dose 1 Bottle : oral : As needed : demand feeding

Frequency: As needed
Route: oral
Order Dose: 1 Bottle
Admin Amount: 1 Bottle
Priority: Routine
Order Start Time: 07/05/15 at 1832
Disp Location: CC Central Pharmacy
PRN Reasons: demand feeding
References: Lexi-Comp Drug Information, Lexi-Comp Patient Information

Action: Feeding Given
Date: 3/1/2016
Time: 1043
Site: 1 Bottle

Near Miss Report

Date / Time	Details [Alert ID]	Patient Name [MRN]	Medication	Possibly Given?	Order Placed?
02/15/2016 0816	The order breast milk (for label printing) 1 Bottle that was scanned is not a valid order for this patient. Scanned.		BREAST MILK [3040000010]	No	No
02/21/2016 0748	The order breast milk (for label printing) 1 Bottle that was scanned is not a valid order for this patient. Scanned.		BREAST MILK [3040000010]	No	No
02/21/2016 1415	The order breast milk (for label printing) 1 Bottle that was scanned is not a valid order for this patient. Scanned.		BREAST MILK [3040000010]	No	No

LVHN Barcode Compliance Report

Item	Barcode	Compliance
BREAST MILK	3040000010	NO
BREAST MILK	3040000010	NO
BREAST MILK	3040000010	NO

Solutions

- A “breast milk for label printing” order is included in the NICU admission order sets. Actual feeding is ordered separately without affecting breast milk scanning.
- Nurse documents if breast milk is being fed or combined for fortification.
- Default dose of “1 bottle” acts as a place holder on the Intake/Output flow sheet. Nurse documents actual volume administered after feeding.
- Compliance reports display near misses and scanning overrides. Includes rationale documented for not scanning.

Next Steps

- Comprehensive report showing near misses along with date/time of next charting action after near misses.

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