

Improving the Breast Milk Scanning Process

Cheryl Kraemer MSN, RN-BC, RNC-OB
Lehigh Valley Health Network, cheryl.kraemer@lvhn.org

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Improving the Breast Milk Scanning Process

Cheryl Kraemer, MSN, RN-BC, RNC-OB
Lehigh Valley Health Network, Allentown, Pennsylvania

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

| Newborn/NICU Patient ... | | NICU PCS (Body System ...) | | NICU Vitals | | NICU Intake/Output | | BiPAP/CPAP | | RT Assessment | | NICU | |
|--------------------------|-------------------------------------|----------------------------|-----------|--|-----------|---|--|------------|--|---------------|--|------|--|
| Print Breast Milk Labels | | Mode: Expanded View All | | 1m 5m 10m 15m 30m 1h 2h 4h 8h 24h Based On: 0700 Reset Now | | Admission (Current) from 2/11/2016 in CC NICU | | | | | | | |
| Intake | <input checked="" type="checkbox"/> | | | | | | | | | | | | |
| Breast Milk | <input checked="" type="checkbox"/> | | | | | | | | | | | | |
| Intake | <input checked="" type="checkbox"/> | | | | | | | | | | | | |
| Intake Pump In | <input checked="" type="checkbox"/> | | | | | | | | | | | | |
| PCA/PCEA Assessment | <input checked="" type="checkbox"/> | Breast Milk | | | | | | | | | | | |
| Medications | <input checked="" type="checkbox"/> | Breast Milk Scan | *1 Bottle | *1 Bottle | *1 Bottle | | | | | | | | |
| | | Breast Milk - P.O. (mL) | 48 | 55 | 30 | | | | | | | | |
| | | Breast Milk - Tube (mL) | | | | | | | | | | | |

MAR Screen with Chart Words

Documented By: OBSTETRICSD, NURSE Schedule Date/Time: 03/01/16 10:43 Document for Another User

Medication

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

Frequency: As needed Route: oral Action: Feeding Given Date: 3/1/2016 Time: 1043 Comment: Enter Comment

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

Recent Actions: 0705 1845

Near Miss Report

Medication Administration - Near Miss Alerts

LVH CEDAR CREST (cont'd)

CC NICU (cont'd)

| Wrong Order Scanned | Details [Alert ID] | Patient Name [MRN] | Medication | Possibly Given? | Order Placed? |
|---------------------|--|--------------------|--------------------------|-----------------|---------------|
| Date / Time | | | | | |
| 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

LV Barcode Compliance

1 of 2

75%

| ADMIT DATE | ADMIT TIME | ADMIT USER | ADMIT SITE | ADMIT DEPT | ADMIT CLINIC | ADMIT ROOM | ADMIT FLOOR | ADMIT WARD | ADMIT BED | ADMIT STATUS | ADMIT REASON | ADMIT DATE | ADMIT TIME | ADMIT USER | ADMIT SITE | ADMIT DEPT | ADMIT CLINIC | ADMIT ROOM | ADMIT FLOOR | ADMIT WARD | ADMIT BED | ADMIT STATUS | ADMIT REASON |
|------------|------------|------------|------------|------------|--------------|------------|-------------|------------|-----------|--------------|--------------|------------|------------|------------|------------|------------|--------------|------------|-------------|------------|-----------|--------------|--------------|
| 02/15/2016 | 0816 | 100104 | 100104 | 100104 | 100104 | 100104 | 100104 | 100104 | 100104 | 100104 | 100104 | 02/15/2016 | 0816 | 100104 | 100104 | 100104 | 100104 | 100104 | 100104 | 100104 | 100104 | 100104 | 100104 |
| 02/15/2016 | 0816 | 100104 | 100104 | 100104 | 100104 | 100104 | 100104 | 100104 | 100104 | 100104 | 100104 | 02/15/2016 | 0816 | 100104 | 100104 | 100104 | 100104 | 100104 | 100104 | 100104 | 100104 | 100104 | 100104 |

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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