Providing Donor Breast Milk for Premature Infants.

Emilee N. Carr BSN, RN  
*Lehigh Valley Health Network, emilee_n.carr@lvhn.org*

Mary K. Kline BSN, RN  
*Lehigh Valley Health Network, Mary_K.Kline@lvhn.org*

Michelle N. Lanzarone BSN, RN  
*Lehigh Valley Health Network, michelle_n.lanzarone@lvhn.org*

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Providing Donor Breast Milk for Premature Infants

Emilee Carr, BSN, RN, Katie Kline, BSN, RN, Michelle Lanzarone, BSN, RN
Lehigh Valley Health Network, Allentown, Pennsylvania

BACKGROUND & SIGNIFICANCE

- Currently, donor breast milk (DBM) is not available for infants in the Neonatal Intensive Care Unit (NICU) at Lehigh Valley Health Network.
- Infants in the NICU are fed formula if they do not have access to, or adequate amounts of, maternal breast milk.

EVIDENCE

- The American Association of Pediatrics (AAP) recommends donor human milk instead of formula for preterm infants when mother’s own milk is unavailable.
- One out of every 33 infants that are fed formula will develop Necrotizing Enteroctis (NEC).
- The rates of NEC are markedly lower when infants are fed human milk as opposed to formula.
- Donor breast milk is associated with a significantly lower incidence of NEC.

PURPOSE

- Collate and present evidence that shows donor breast milk is associated with a significantly lower risk of NEC.
- Investigate the amount of formula use in NICU infants weighing <1,500 grams at birth during their first two weeks of life.
- Estimate the amount of donor breast milk (mL) that would need to be purchased per month to support a donor milk initiative at Lehigh Valley Health Network.

DATA

The amount of formula (mL) fed to infants weighing less than 1,500 grams in the NICU

- Nov-15: 1,570 mL
- Dec-15: 1,098 mL
- Jan-16: 944 mL

Amount of formula fed per month in the NICU (mL)

REFERENCES:


NEXT STEPS

- In the defined population, development of a donor breast milk program at Lehigh Valley Health Network.

PRESENTATION OF EVIDENCE AND DATA TO NICU OPERATIONS IMPROVEMENT COMMITTEE (OIC)

- Contact with Three Rivers Mothers’ Milk Bank in Pittsburgh, PA:
  - Cost per ounce of DBM = $4
  - Average mL per month of formula used at LVHN = 1,204 mL
  - Estimated total cost per month to purchase DBM = $4,816

- Create a donor milk workgroup composed of members of the NICU OIC and NICU Lactation committees

NEXT STEPS

- In the defined population, development of a donor breast milk program at Lehigh Valley Health Network.