# Breast Milk Quality Improvement Bundle For VLBW Babies

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### **BACKGROUND**

- ❖ The benefits of breastfeeding the LBW extends beyond nutrition.
- Despite the fact that breast milk is the best nutrition for the VLBW babies, lack of breast milk is still the most common immunodeficiency in the NICU.

### "SMART" AIM

With a "Breast Milk Quality Improvement Bundle", to improve breast milk output in mothers of VLBW babies by 50% on day 7 post delivery over a two month period.

# **METHODOLOGY**

- Study design Quality improvement study
- ❖ Setting St. Johns Medical College Hospital, Bangalore
- Study duration 4months, Aug to Nov 2015
- Ethical approval from the IEC and informed consent from parents taken



NICU and PNW nurses

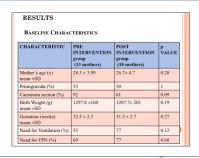


Primary outcome : Quantity of milk expressed on Day 7 post delivery

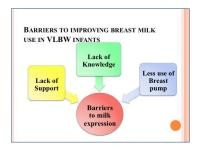
## **PDSA Cycles**

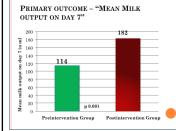


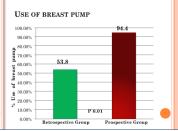
# **RESULTS**

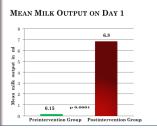














# CONCLUSIONS

- ❖ A series of simple interventions increases milk out in mothers of VLBW babies.
- These quality improvement initiatives need to be improved, consolidated and sustained.