

Interprofessional Education: A Powerful Tool for Improving Delivery Room Care and Competency

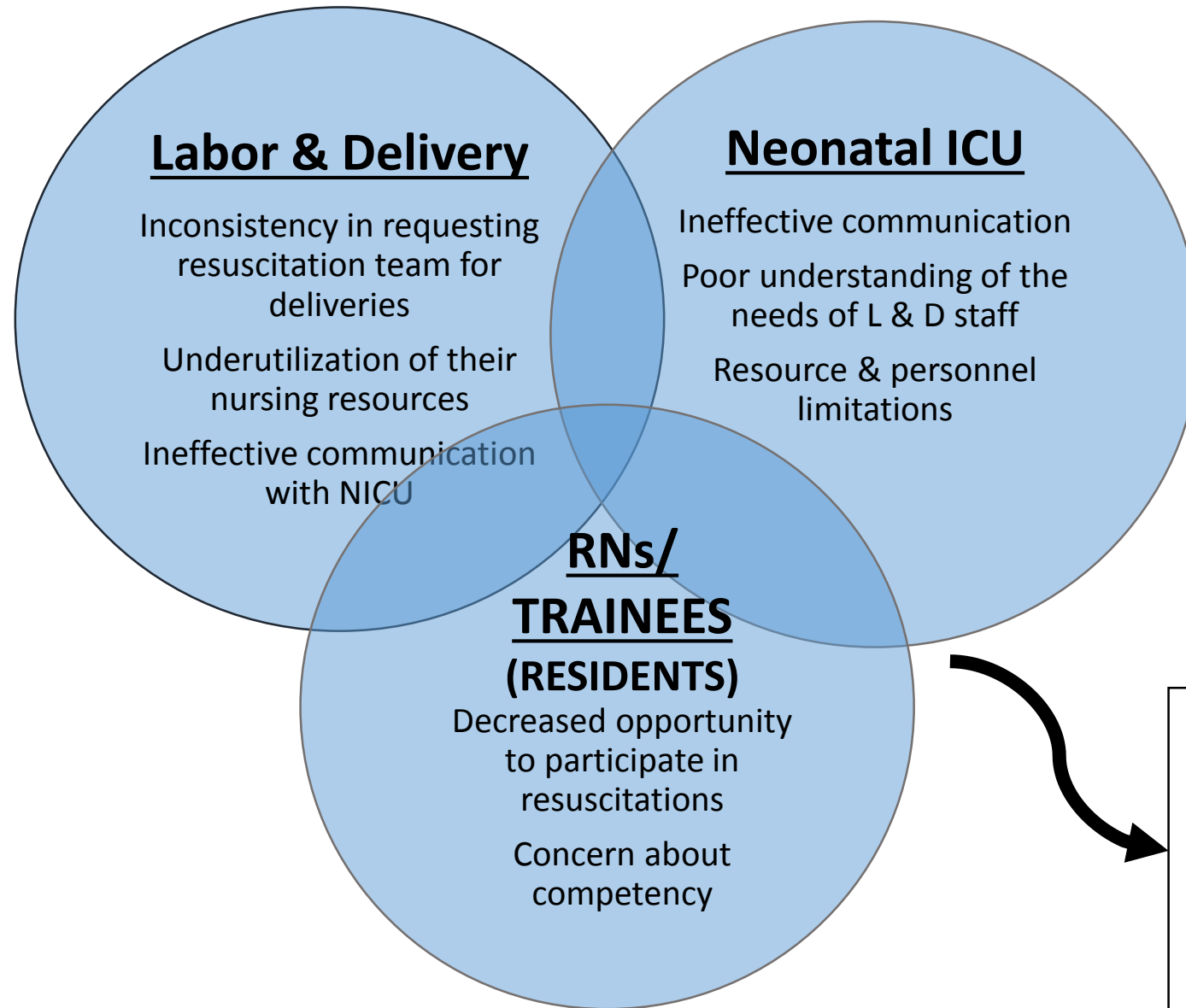
Kate Gitzinger MS, RN, CPNP



COLLABORATIVE TEAM MEMBERS

- Dr. Sri Ravisankar, MD, Medical Director
- Tara Stroud, MSN, NNP, Administrator
- Angela Still, MSN, RN, Administrator
- Carolyn Alphin, MSN, RN, Education Specialist
- Jessica Jefferson, MSN, RN Education Specialist

BACKGROUND PROBLEM



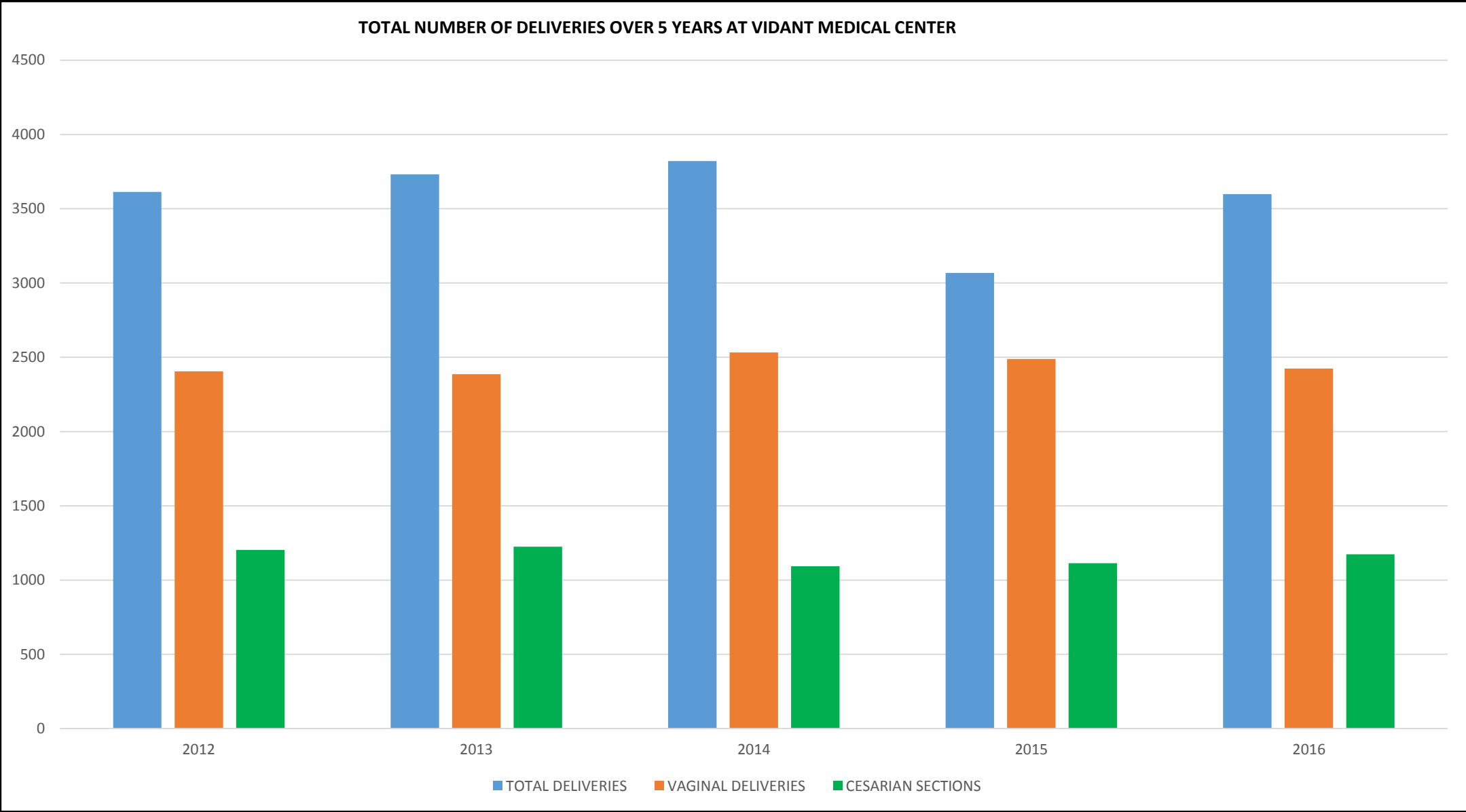
AIM STATEMENT

1. To have a Low Risk Delivery Team at all scheduled cesarean section deliveries who can provide intervention if necessary to decrease Neonatal Intensive Care Unit transitions and admissions
2. Provide family centered care by keeping the mother/baby couplet intact and decreasing separation
3. Increase nurse and resident physician competency and confidence in Neonatal Resuscitation Program skills by actively participating in low risk deliveries and enhance interprofessional work

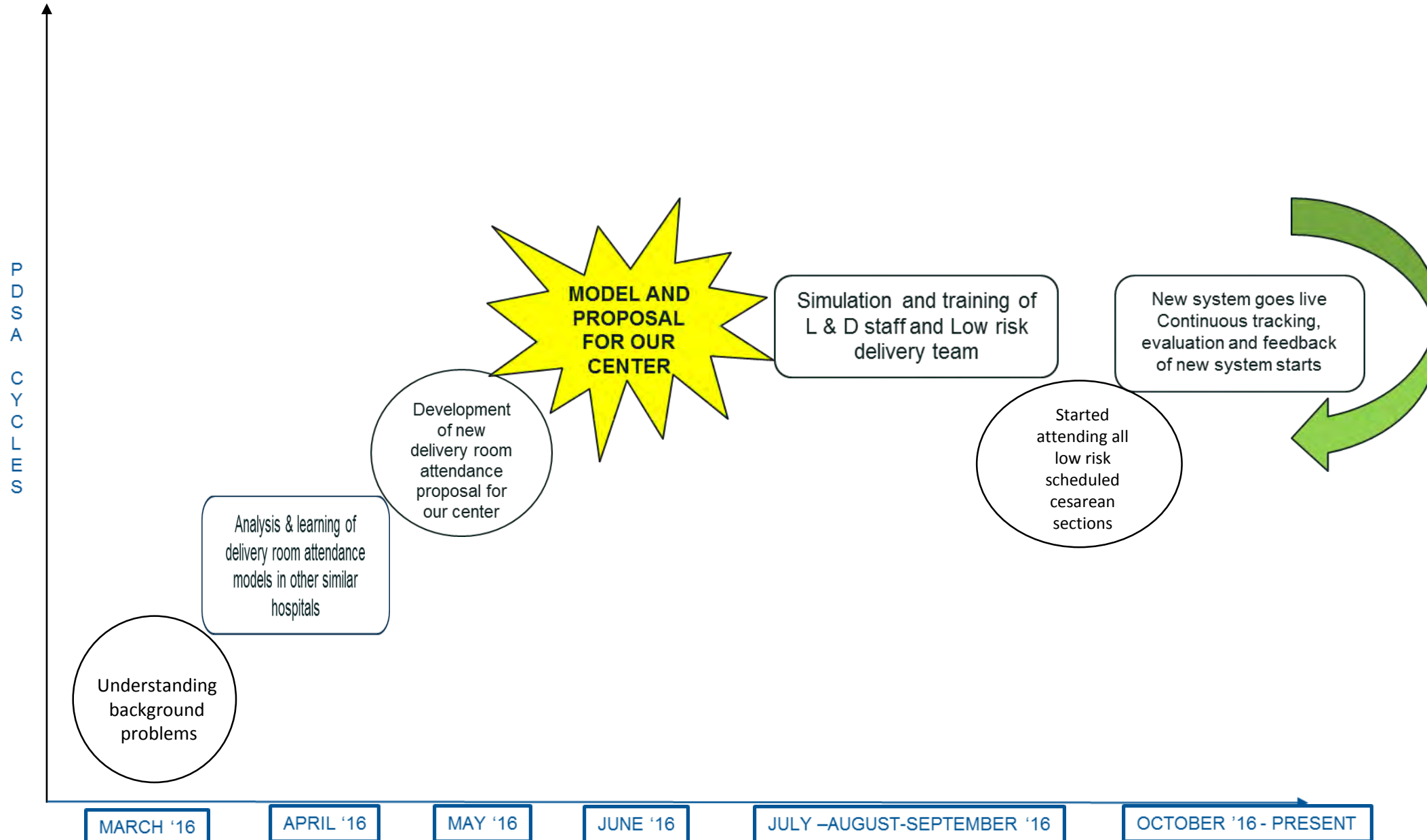
MEASURING CHANGE FOR IMPROVEMENT

- Decrease in number of babies requiring transition time in NICU or NICU admission
- Increased confidence and NRP skills of residents and nurses
- Any baby requiring intervention = decreased workload on NICU and increased experience/skills for residents and nurses
- Any baby requiring intervention that was kept with his/her mother = increased family centered care
- Survey nursing staff to assess new system

BASELINE DATA



INDIVIDUAL CYCLES OF CHANGE - A TIMELINE



Key Drivers to Achieve Our Aim

Aim

Primary Drivers

Secondary Drivers



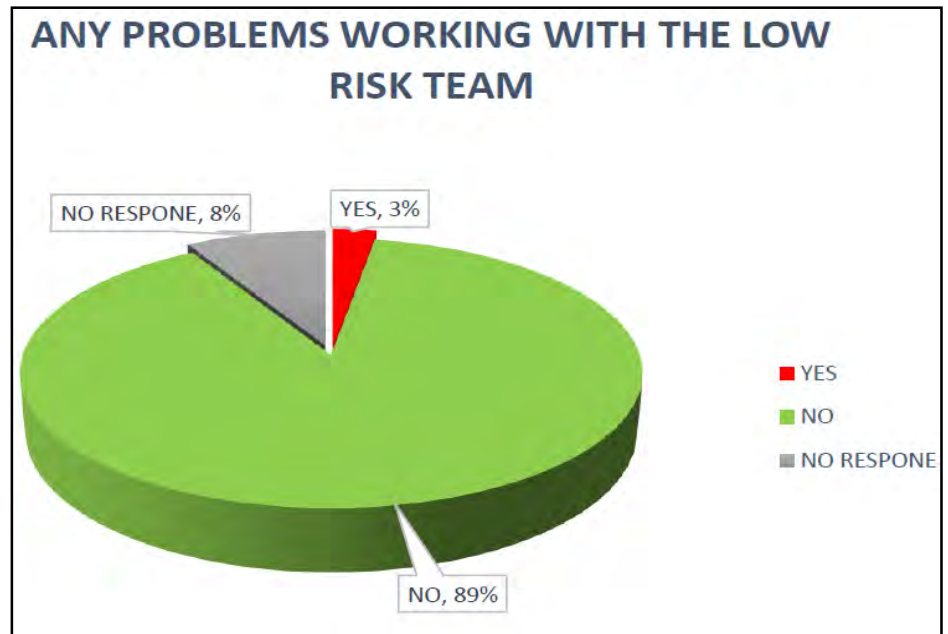
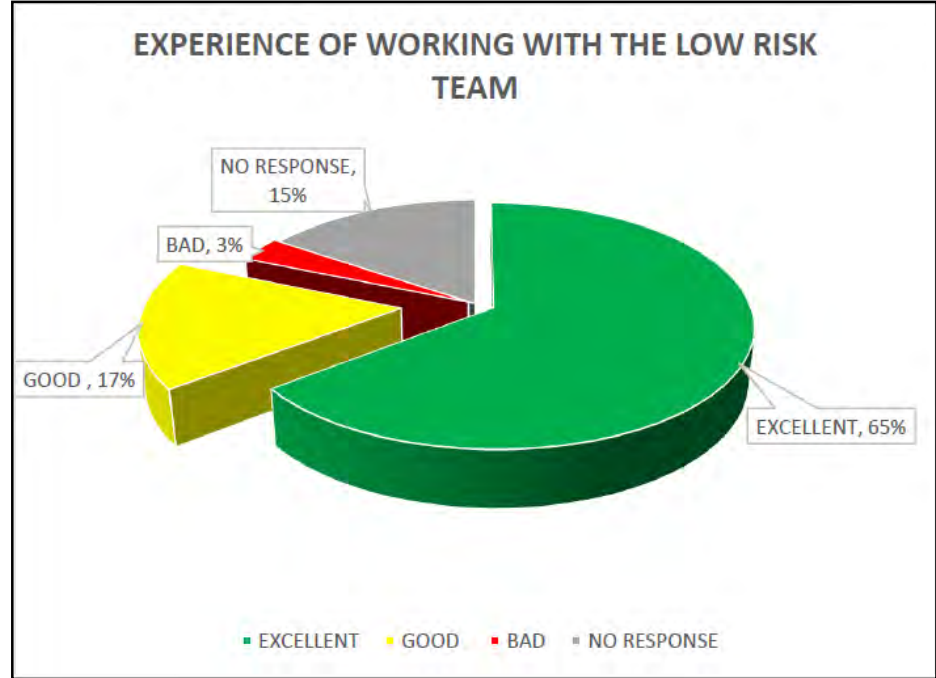
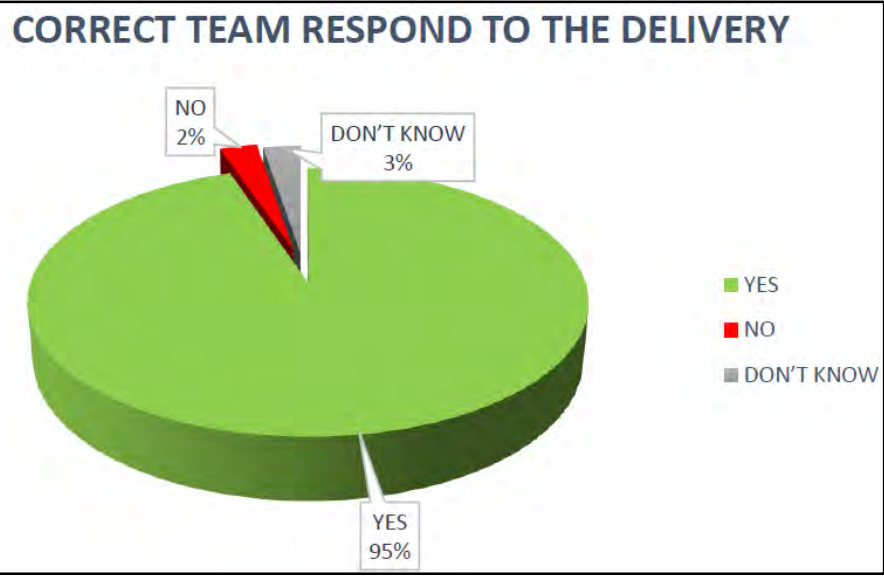
DATA COLLECTION & RESULTS

- Tracking of all pages requesting a low or high risk delivery team
- Feedback forms for L&D staff and resident physicians
- Competency-based check off sheet for residents
- Tracking of NICU admissions from deliveries attended by Low Risk Delivery Team

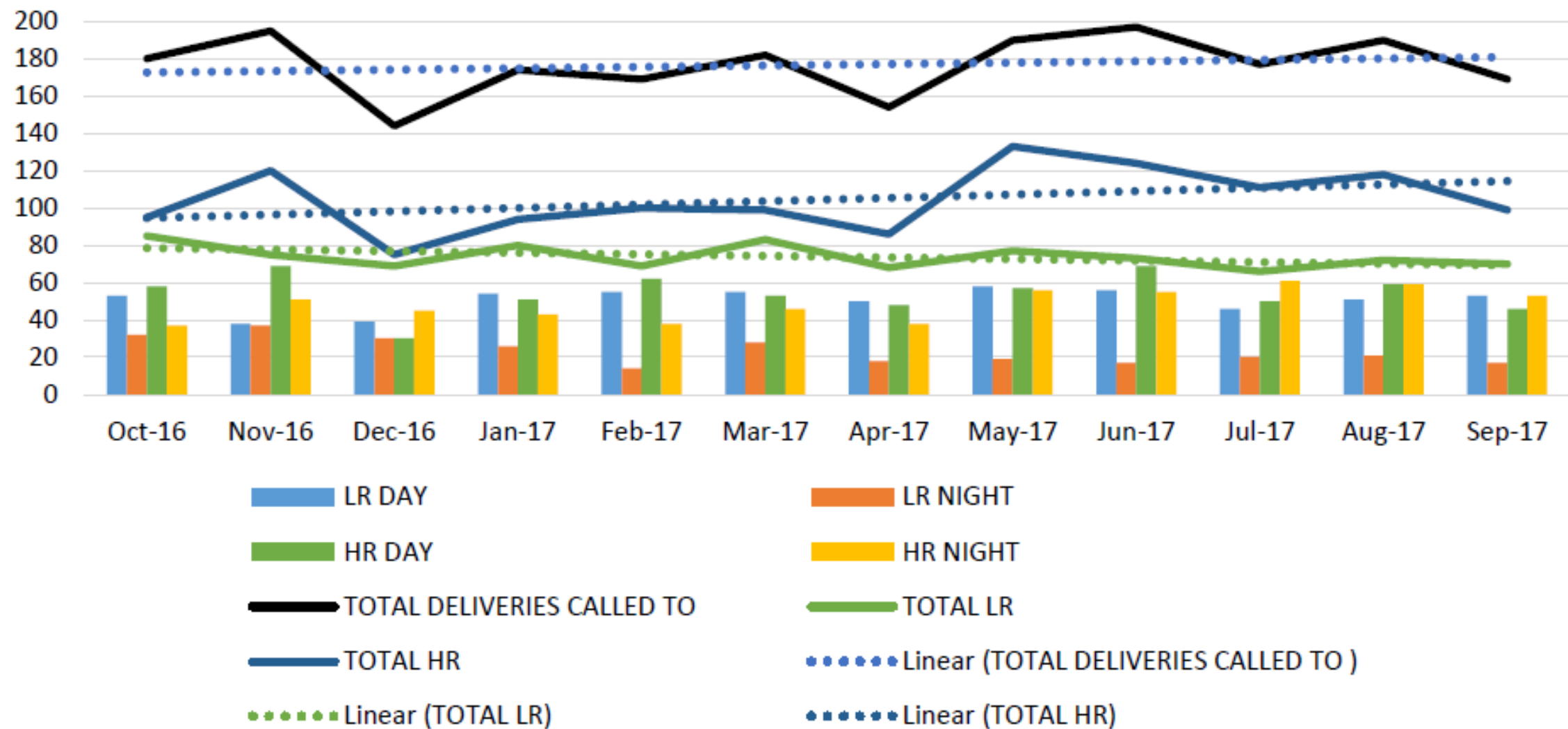
Balancing measure:

- Ensure competency of the Low Risk Team by monitoring number of times additional help of the full high risk team was requested
- Ensure the traditional learning goals of the newborn rotation are not impacted for residents

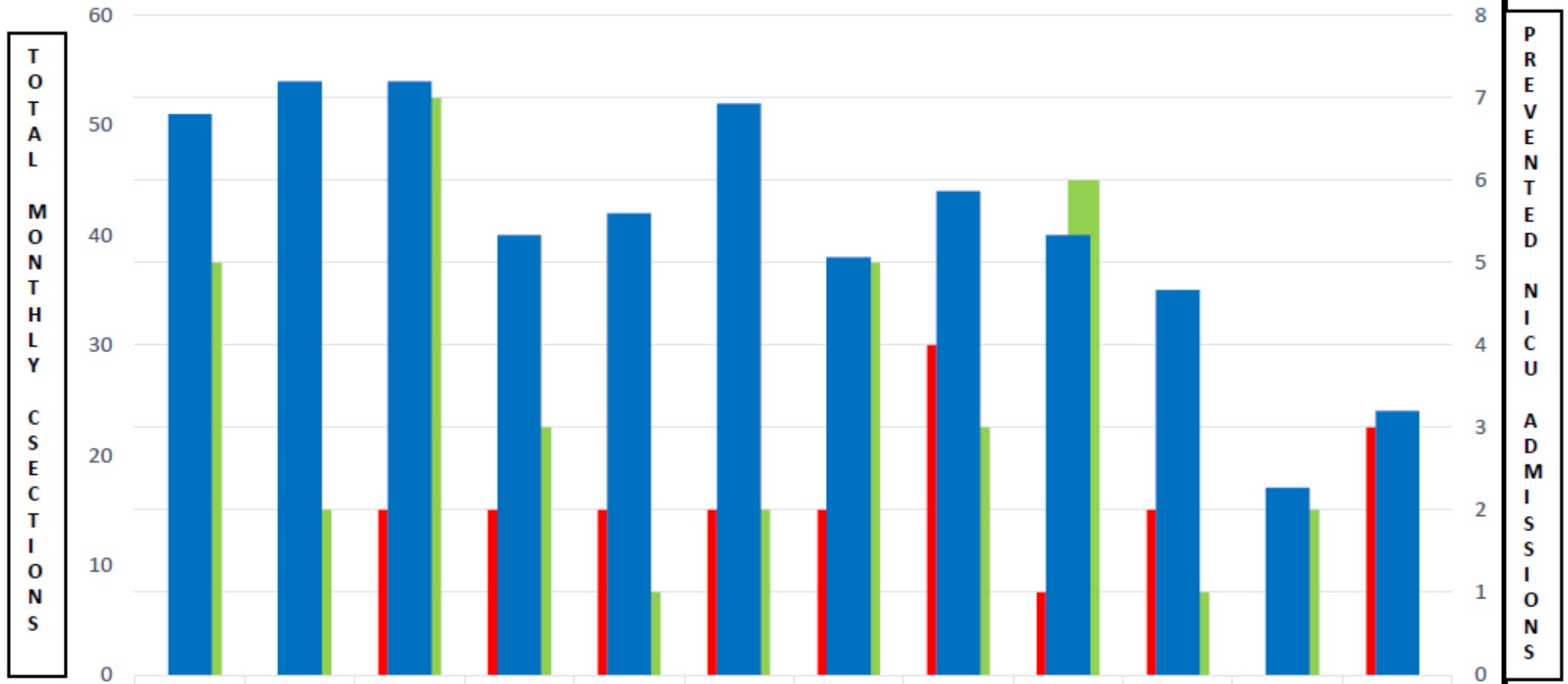
OUTCOMES: FEEDBACK ABOUT THE DR SYSTEM FROM L & D



LOW & HIGH RISK DELIVERIES CALLED TO AND TOTAL DELIVERIES PER MONTH



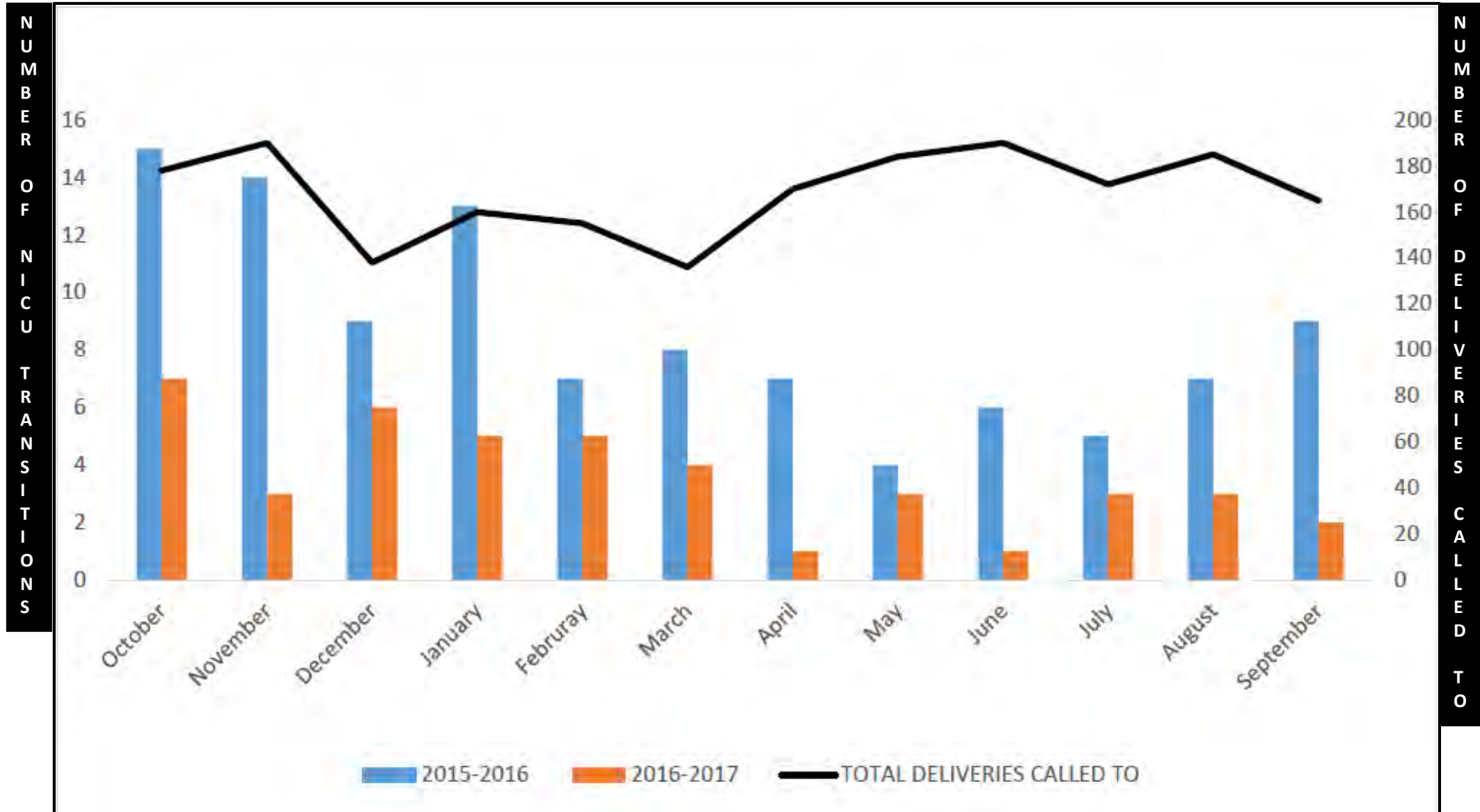
NUMBER OF ELECTIVE C-SECTIONS PER MONTH AND NUMBER OF BABIES THAT WERE PREVENTED FROM BEING ADMITTED TO THE NICU DUE TO LOW RISK TEAM INTERVENTIONS IN THE DELIVERY ROOM



	OCT '16	NOV '16	DEC '16	JAN '17	FEB '17	MAR '17	APR '17	MAY '17	JUNE '17	JULY '17	AUG '17	SEPT '17
■ WENT TO NICU	0	0	2	2	2	2	2	4	1	2	0	3
■ STAYED BECAUSE OF INTERVENTIONS	5	2	7	3	1	2	5	3	6	1	2	0
■ ELECTIVE C-SECTIONS	51	54	54	40	42	52	38	44	40	35	17	24

■ WENT TO NICU
 ■ STAYED BECAUSE OF INTERVENTIONS
 ■ ELECTIVE C-SECTIONS

DECREASE IN NUMBER OF NICU TRANSITIONS DUE TO INTERVENTIONS BY SKILLED LOW RISK TEAM



WHAT HAVE WE LEARNED

- Interprofessional education and training has shown improved coordination between three different units – Labor & Delivery, Newborn, and Neonatal Intensive Care Unit
- Development of a fully competent Low Risk Delivery Room Team
- Two-team strategy now successfully caters to deliveries of different acuity enabling better resource and personnel utilization and provide appropriate standard of care
- Successful interventions in the delivery room have facilitated the mother & baby to stay together after birth thereby decreasing admissions to the Neonatal Intensive Care Unit and its associated costs
- Improved competency of residents (trainees) and RNs

NEXT STEPS

- Continue to enhance and expand the Low Risk Delivery Team's capabilities and skill set (i.e. meconium deliveries)
- Develop tools to assess patient satisfaction from their improved experience during labor and delivery
- Reassess L&D staff experience and skills
- Reassess resident confidence

Questions?

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