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In the Pocket with Kangaroo Education

Brett Butler Children's Mercy Hospital, blbutler@cmh.edu

Carly Creekmore Children's Mercy Hospital, ckcreekmore@cmh.edu

Skylar Suppes Children's Mercy Hospital, swsuppes@cmh.edu

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In the Pocket with Kangaroo Education

a quality improvement project to deliver timely education that empowers parents







Brett Butler, BSN RN, Carly Creekmore, BSN RN, and Skylar Suppes, BSN RN



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Acknowledgements

- ICN Directors
- KT Scholar: Erin Keith-Chancy RN, MSN, CCRN-NIC
- QI Coordinator: Kate Gibbs MHA, CCLS
- March of Dimes Parent
 Manager: Kaylee Hurt

Children's Mercy



Since 2015, less than 30% of eligible infants in the CMH ICN receive skin to skin care (KMC).





	evelop and Implement Counterme		Coach: Erin, Kate
Current literature suggests that Kangaroo Care (KMC) (when defined as: infant and caregiver, skin to skin, ventral surface to	evelop and Implement Counterme		
apneic spells and shorter length of stay (LOS). However, not all eligible infants in the Children's Mercy Adele Hall ICN are receiving KMC, in fact, in 2017, only 23% of eligible infants received KMC. Ideally, 100% of all eligible infants would receive KMC daily. At Children's Mercy, there is currently no standard for KMC education in the ICN. However, the previous NLN cohort's trial of March of Dimes "Close to Me" parent education curriculum in May 2018 demonstrated that parents who received education expressed a commitment to provide KMC.	Identifying: Driver Diagram	Discussion products Delete substitute the defense them of a generative availability for extra state. Other March of Same Chara to Advantant dereng part from:	
Set a Target Increase the number of eligible infants receiving KMC in the ICN at CM Adele Hall from an average of 23% to an average of 46% for the period of September 2018 to January 2019.	the second start by a sec	erroo care te in increase	
Identify Root Cause Rectar Rower Survey After incr • stability of pariset • pariset for the survey > pariset for the survey > pariset for the survey > After incr • stability of pariset • pariset for the survey • pariset for the survey > After incr > Bit of pariset • stability of pariset • pariset for the survey • pariset for the survey > Bit of pariset > After incr • stability of pariset • pariset for the survey • "Pariset for the survey > Bit of pariset > Bit of pariset • stability of pariset • pariset for the survey • "Pariset for the survey > Bit of pariset > Bit of pariset • survey to back to condition • "Pariset for the survey • "Pariset for the survey > Working > Bit of pariset • moonthy medical condition • "Pariset for the survey • "Pariset for the survey > Bit of pariset > Bit of pariset • moonthy medical condition • "Pariset for the survey • "Pariset for the survey > Bit of pariset > Bit of pariset • moonthy medical condition • "Pariset for the survey • "Pariset for the survey > Bit of pariset > Bit of pariset • moonthy medical condition • pariset for the survey • Bit of pariset > Bit of pariset > Bit of pariset • moonthy medical condition	y ratertying peak times, we were able to incr vents to parents from 3.7 to 6.25 per super t fter receiving the March of Dimes Close to N crease in desire to perform KMC each visit. tandardize and Follow Up (angaroo Care education will be conitnued th aining has been approved as an ADVANCE " is education and continue to promote Kanga he percentage of KMC experiences will conit he 2018 Summer GNRP cohort will conitnue t	iser. Ae training, 72% of parents who complet rough "Just in Time" education training "Education of Others" achievement poin roo Care. nue to be monitored and shared with the	received by parents in the unit. This t in order to incentivize nurses to provide c unit through the ICN huddle board.

Clarify the Problem

Clarify the Problem

Current literature suggests that Kangaroo Care (KMC) (when defined as: infant and caregiver, skin to skin, ventral surface to ventral surface, for at least one hour) demonstrates improved outcomes for patients including improved weight gain, fewer apneic spells and shorter length of stay (LOS). However, not all eligible infants in the Children's Mercy Adele Hall ICN are receiving KMC, in fact, in 2017, only 23% of eligible infants received KMC. Ideally, 100% of all eligible infants would receive KMC daily.

At Children's Mercy, there is currently no standard for KMC education in the ICN. However, the previous NLN cohort's trial of March of Dimes "Close to Me" parent education curriculum in May 2018 demonstrated that parents who received education expressed a commitment to provide KMC.

Measures: KMC unit metric (% of eligible patients who received KMC per week in 2018), RedCap parent surveys



Who's Eligible?

Kangaroo Care eligibility requirements, per CMH policy:

- A. Infants who are stable should be considered for Kangaroo Care.
 - A. All neonatal lines and tubes must be well secured. Cover the umbilicus with sterile gauze and secure to diaper as a barrier, if umbilical lines are in place.
 - B. Stable infants undergoing invasive mechanical ventilation, including HFOV, will be individually evaluated by the physician/NNP. RT should be present during transfer to and from parents.
 - C. If infant's parent has any rashes, open skin lesions or contagious illness, infection disease should be consulted.



Breakdown the Problem

Break Down the Problem

Lack of standard parent education, timing of education to parents (when are they available), timing and availability of kangaroo care, definition/perception of kangaroo care, unit culture of fear

Determine best times for parent education by auditing sign in log. Sept 18-Oct 18 for 4 weeks of data collection on pods B & C. Identified most parents visiting ICN weekdays from 2p-6p--created graph.











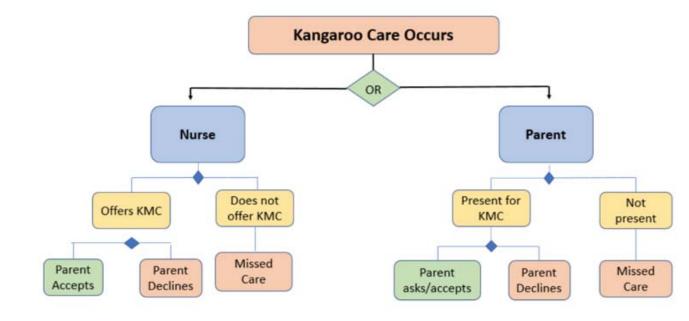
Visitation Log





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Fault Tree





Set a Target

Set a Target

Increase the number of eligible infants receiving KMC in the ICN at CM Adele Hall from an average of 23% to an average of 46% for the period of September 2018 to January 2019.





RedCap Survey Results

May 2018

RedCap Parent Surveys: May 2018 N = 26

Top 3 Parent-reported barriers to KMC

What are the reasons (if any)that you have not held your baby skin to skin?

Baby's Medical Condition: 15 (60%) Fear/Anxiety: 5 (20%) Other: 6 (24%)







RedCap Parent Surveys: Sept- Oct 2018 N = 25 **Top 3 Parent-reported barriers to KMC** *What are the reasons (if any)that you have not held your baby skin to skin?* Baby's Medical Condition: 15 (60%) Other visitors were present: 5 (20%)

Lack of Privacy: 4 (16%)

Identify Root Cause

Patient

stability of patient

- medical condition (ex: unique airway)
- invasive monitoring
- odor of smoke/noxious odors
- · post-op pain
- age of patient (older babies want to play)
- isolation precautions

Nurse

- patient safety
- fear of UPE, specifically
- "It is only for premies."
- · "...needs of my other patient"
- · "swaddling is easier"
- "It seems weird with men."
- "never thought of it a therapy"
- · "There are others ways to bond."
- "If parents don't ask..."

crowding

too much equipment HFOV circuit not comfortable with transfers lack of privacy no place for the nurse to chart What nurseperceived barriers might impact the number of patients receiving kangaroo care in the ICN?

mom's medical condition

- parents not present
- parents declined
- parents want to see baby's face.
- parents are restless, distracted, & on phones.
- modesty, privacy
- timing or short duration of parent visit
- language barrier

Family



Snapshot survey of ICN Bedside Nurses (n=36) February 2018

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Environment

Develop and Implement Countermeasures





Larger Bed-spaces · Change the unit culture Better Chairs ٠ Decrease parent and staff fears · Change Unit Design Change staff attitudes Increase Parent about holding and handling Space/Privacy Difficulty Level **Increase Technical Support** Increase the number of through continued use of nurse parents/families receiving champions direct instruction on KMC Increase parent-identified Change/broaden definition of opportunities for KMC KMC to include "all touch" to stretch, evolve staff attitudes Reliability

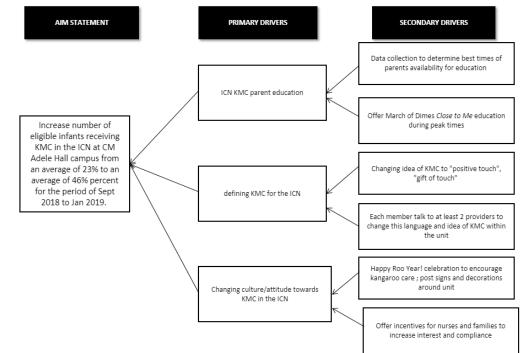
Pick Chart

Develop and Implement Countermeasures

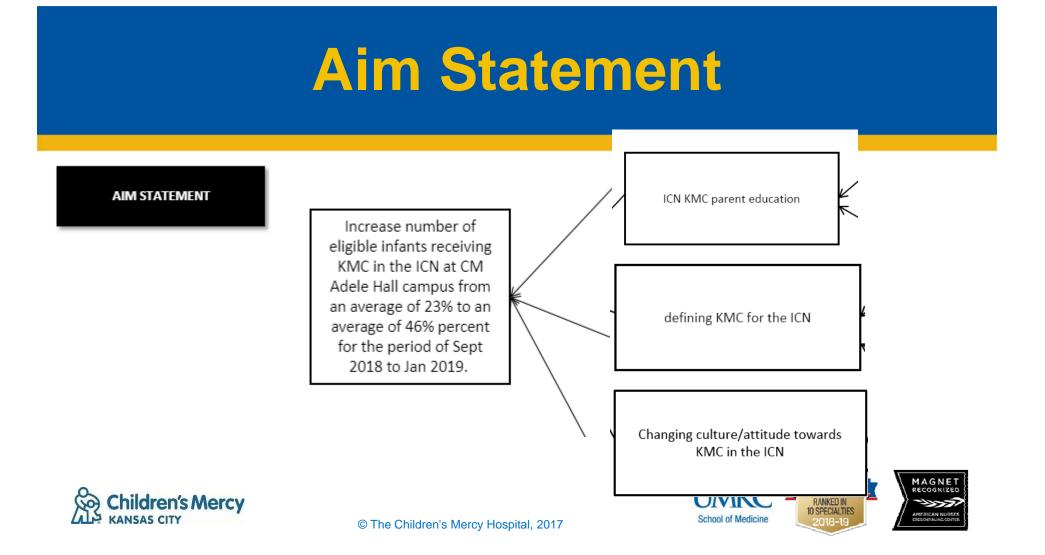


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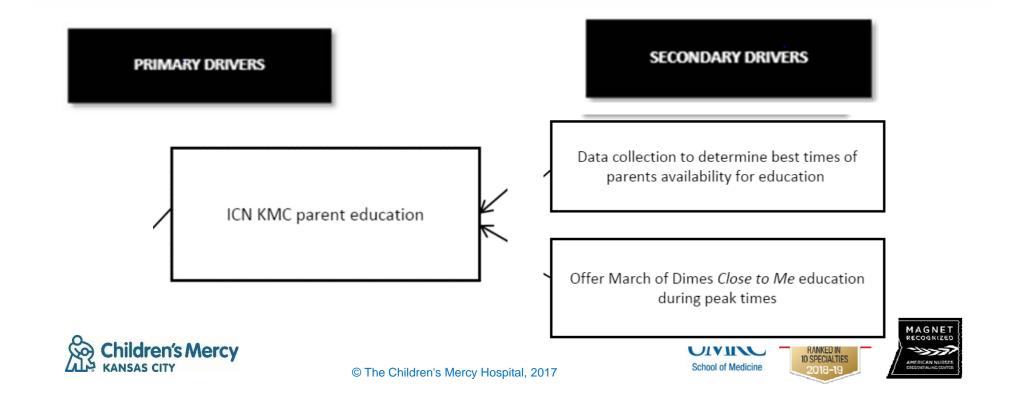
Identifying: Driver Diagram



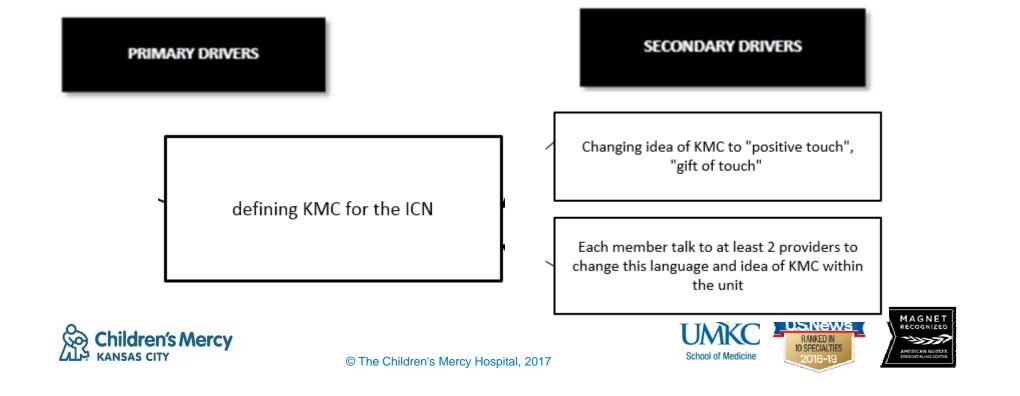
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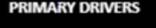
Driver Diagram Breakdown



Driver Diagram Breakdown



Driver Diagram Breakdown



Changing culture/attitude towards KMC in the ICN SECONDARY DRIVERS

Happy Roo Year! celebration to encourage kangaroo care ; post signs and decorations around unit

Offer incentives for nurses and families to increase interest and compliance



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School of Medicine



MAGNET

Hoppy "Roo" Year!





Hoppy "Roo" Year!





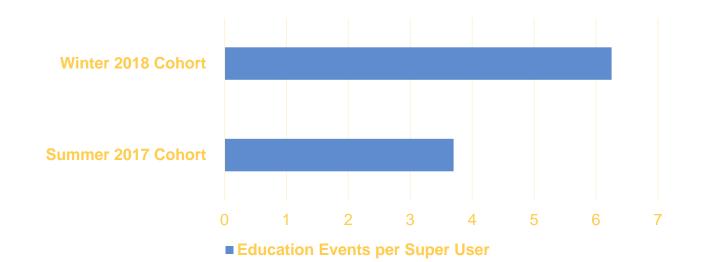
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Check Results and Process

- 1. Parents receiving "Close to Me" parent education continued to report an increased resolve to hold their babies skin to skin in survey data.
- 2. Identification of peak times for family presence at bedside increased opportunities to provide education events from 3.7 events per nurse to 6.25 events per nurse in a 30 day period.
- 3. Scheduled hours for "Just in Time" parent education by nurse champions should be made a permanent process.



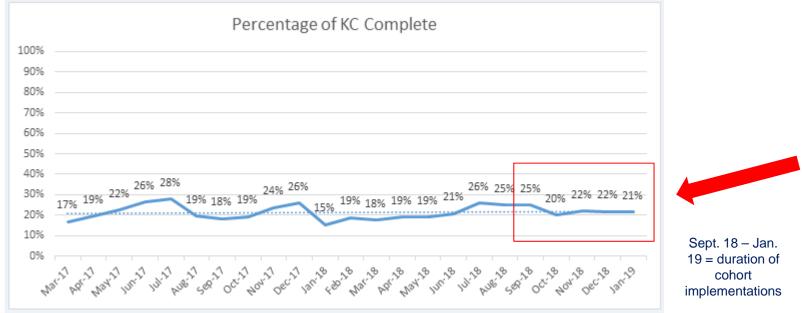
Education Events per Super User





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ICN Kangaroo Care Run Chart





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Standardize and Follow Up

Standardize and Follow Up

Kangaroo Care education will be conitnued through "Just in Time" education training received by parents in the unit. This training has been approved as an ADVANCE "Education of Others" achievement point in order to incentivize nurses to provide this education and continue to promote Kangaroo Care.

The percentage of KMC experiences will continue to be monitored and shared with the unit through the ICN huddle board.

The 2018 Summer GNRP cohort will conitnue to monitor KMC in the ICN as a quality improvement project, along with Kaylee Hurt, the ICN MOD parent manager.



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Questions



Thank you!

