Breastfeeding Promotion Program: A Quality Improvement Initiative in a Community Based Setting

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In partial fulfillment of the requirements for the Doctor of Nursing Practice

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June 22, 2021

Overview

- The Question: Does education of staff nurses enhance breastfeeding?
- Goal: Aims to educate, assess, and assist postpartum mothers in order to improve outcomes
- Use of the Lactation Assessment & Comprehensive Intervention Tool
- Improved breastfeeding outcomes
- Practice pearls:
 - establish bonding with skin to skin,
 - Support and education for positioning and latching
 - Father and other supportive individuals encouragement

(Gianni et al., 2019)



DNP Problem

- Lack of provider assistance
- Lack of competent providers
- Poor breastfeeding outcomes
- High cessation rates post discharge
- Barriers to success

(Schanler & Potak, 2020)

DNP Project Problem and Purpose Statement

- Lack of breastfeeding education and help for mothers
 - Jeopardy of premature termination of breastfeeding
 - No initiation of breastfeeding
 - Lack of specific problem-solving guidance
- Public health attempt to increase staff behaviors
- Increase breastfeeding outcomes three weeks postpartum

DNP Project Objectives

- 1. Train nursing staff to use the LAT.
- 2. Conduct weekly case reviews of breastfeeding families visited by the community nursing team.
- 3. Improve rates of breastfeeding versus formula feeding by 15% within a 5-week implementation frame.

Review of Literature

- Detrimental factors to breastfeeding
 - Return to work
 - Milk supply issues
 - Lack of public awareness
 - Mechanical issues of breastfeeding
 - Incorrect latch techniques

Review of Literature (cont'd)

- Breastfeeding promotion measures
 - Support from fathers
 - Breastfeeding counseling
 - Breastfeeding support
 - Provider and Lay support
 - Home visiting support
 - Early weaning protection

Review of Literature (cont'd)

- Alternative methods of assistance
- Breastfeeding initiation and continuation
- Breastfeeding Education
- Twins and higher order multiple births
- Peer support

Theoretical Model

- Lewin's Change Theory
 - Unfreezing-nursing staff unlearning breastfeeding myths as truths
 - Common myths: getting rest, drinking more fluids and taking supplements
 - Change-teaching support measures with corrective interventions
 - Refreeze-increasing breastfeeding versus formula feeding

Project/Study Design

Experimental

- LAT education with staff nurses
- LAT used to assist breastfeeding mothers
- Corrective interventions for latch
- Increased breastfeeding outcome results

Project/Study Design cont'd

ASSESSMENT PARAMETERS	CORRECTIVE INTERVENTION		
Latch process (root, gape, seal, suck)	Baby roots, then gapes, seals, and sucks		
Angle of mouth opening at breast□	160 degrees minimum mouth angle		
Lip flange□	Top and bottom lip not turned in		
Baby's head position	Nose and chin close to breast		
□Baby's cheek line□	□Smooth cheek line□		
Baby's height at breast□	Nose opposite nipple to start□		
Baby's body rotation□	Baby's chest to mother's breast□		
Baby's body relationship □	Baby horizontal across mother's chest		
Nursing dynamic	Bursts of suck (swallow 2:1 or 1:1)		

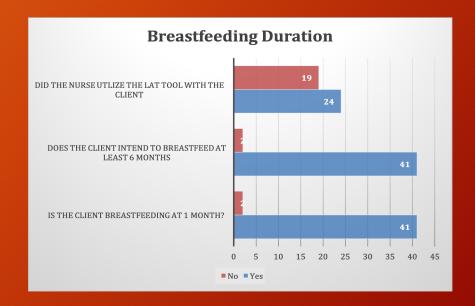
Pre-feeding		ideal	ideal observed		Mouth seal		Mother's comfort level	
Skin-to-skin	1804-1804- 18 -19	of nose	O nose opposite nipple	ideal	observed	ideal	observed	
immediately prior to feeding forminutes prior no skin-to-skin prior		nipple to start of aspect of O gape response	O mouth opposite	top and bottom lip sealed	O both lips sealed O top lip turned in O both lips not sealed	& tugging feeling	tugging little discomfort moderate discomfort great discomfort severe discomfort	
State of baby			O gape response					
O deep sleep O light sleep O quiet alert O active alert		gape response	O no gape response O head tilts back		O rounded cheek line O not rounded cheek line	Post-feeding Ending feeding		
O crying Feeding cues exhi	ying back		O no head tilt O forehead tilt		O not dimpled cheek line O dimpled or indented cheek	ideal	observed	
O rooting O hand to mouth actions		O bottom lip and tongue reach breast first	6 baby releases nipple			O baby release O mother breaks suction O baby unable to sustain		
O mouthing/suckling motions O rapid eye movement (REM)		reach breast first	first first O top lip and bottom lip reach together	Rhythm			feed	
O body movements				ideal bursts of 2:1 or 1:1	observed O bursts of 2:1 or 1:1 O 4 or more sucks with ?	Baby's tone		
During Feeding Baby's body position						ideal	observed	
ideal	observed O turned toward mother	chin close to breast	to breast O nose too close to breast O chin away from		number of swallows O no suck O suck but no swallow	of relaxed hands	O soft body tone O relaxed hands O awake/seeking behavior	
O head only turned to mom		O nose away from breast	Latch type		Mother's nipple			
shoulders and hips aligned	O shoulders/hips align O shoulders/hips do not align		O nose and chin away from breast	ideal	observed O asymmetric O symmetric	ideal similar to	observed O similar to prefeed O shaped by latch	
l	O arms/hands around	Angle of mouth opening				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	O discolored O inverts after feed	
arms/hands around breast	breast O arms/hands swaddled	ideal	observed	Jaw motion	observed		draw shape:	
Notes:		Ø 140 *+	O 140°+ O 91° - 140° O < 90°	 ocker	O rocker O piston			

Implementation

- LAT education with staff nurses
- Latch 1, 2, 3 video
- Documentation in Salesforce database
- Go Live for nurses using the LAT with clients
- Continued support for nurses
- Alternative data collection methods created for back up

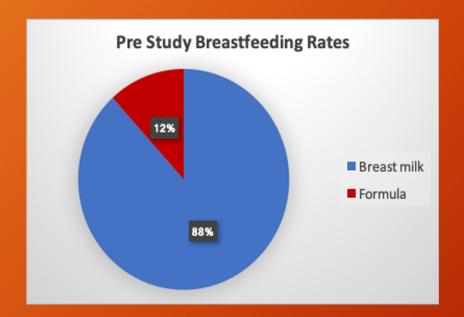
Evaluation

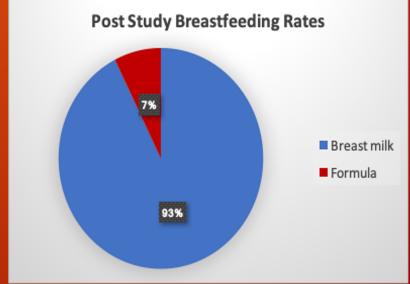
- 43 clients enrolled in the study
- Nurse compliance with LAT use (56%)
- 95% breastfeeding at 1 month
- 95% plan to continue to 6 months



Evaluation (cont'd)

- Increase from 88% to 93% in breastfeeding after the intervention
- 5% increase





Conclusion

- Evaluation of breastfeeding outcomes in relation to nurse education
- LAT assistance by nursing staff
- Support and reassurance for new mothers
- Positive effect on breastfeeding duration
- SUPPORT, SUPPORT, SUPPORT!!!

Discussion

- Significance of the DNP project to host site
- Impact of future practice
- Improve health and safety of infants
- Healthy People 2030 breastfeeding goal

Future Dissemination

- DNP repository upon approval
- Family Connects International
- Nurse Family Partnership Inc.
- Early Childhood Services of Tarrant County
- The 27th Annual Breastfeeding and Human Lactation Conference

Acknowledgements

I would like to thank God, first and foremost, for giving me the fortitude, wisdom, grace, and mercy to persevere through this doctoral program. Secondly, I would like to give a sincere thanks to my family, friends and every faculty member who assisted me in the completion of this doctoral degree. Last but definitely not least, I would like to give a special thanks to Dr. Jessica Grimm and my content expert, Dr. Karin Cadwell for your patience, understanding, guidance and TREMENDOUS support throughout this journey. In addition, a big thanks to my project mentor, Dr. Dennia Thompson, WHNP-BC. Many hugs, love and blessings to all!

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