

Introduction

- Evaluating the effect of provider prenatal breastfeeding education on breastfeeding rates in clinic patients

Background and Significance

- Breastfeeding and breastmilk have benefits for mother and baby.
- Mothers need breastfeeding support and resources to successfully breastfeed.
- Interventions to support and promote breastfeeding should be made by providers and training of all pertinent healthcare staff in the knowledge needed to educate patients is priority

Methods

- Quality improvement project with convenience sample at a local clinic
- Online breastfeeding module assigned to all clinic providers and case managers
- After completion of the module, breastfeeding education during prenatal visits officially began before or at 36 weeks gestation
- Anonymous postpartum breastfeeding survey given to each patient at their postpartum visit
- Two months of pre and post data collected
- Quantitative data analysis with chi-square was used to evaluate effects of prenatal breastfeeding education for providers on breastfeeding rates

Providing prenatal breastfeeding education to healthcare providers increases breastfeeding rates in postpartum patients



Scan me for additional resources

Contact Information

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Results

- Two by two frequency table used
- Pre-intervention group: 6.4% breastfeeding
- Post-intervention group: 11.6% breastfeeding
- Post-intervention group were twice as likely to breastfeed their babies than mothers in the pre-intervention group showing that prenatal breastfeeding education increased breastfeeding rates in clinic patients

Table 1. Cross tabulation and chi-square test of association expected frequencies

Intervention		Feeding status		Total
		Breast	Formula/Both	
Pre-intervention	frequency	12	88	100
	expected n	17.99	82.01	
	percent	6.4%	46.6%	52.9%
Post-intervention	frequency	22	67	89
	expected n	16.01	72.99	
	percent	11.6%	35.5%	47.1%
Total	n	34	155	189
	percent	18.0%	82.0%	100.0%

Table 2. Chi-square test of association

Chi-square statistic	5.1636
Degrees of freedom	1
P-value	0.0231

Discussion/Implications

- Prenatal breastfeeding education should become a standard of care in prenatal visits
- Providers require up to date, ongoing education on breastfeeding
- Providers should be confident in their breastfeeding knowledge as they relay it to their patients
- Mothers will be better prepared to breastfeed their babies successfully in the postpartum period with proper education and support prior to delivery
- Increase in breastfeeding rates has economic benefit by reducing health issues which reduces healthcare costs with a savings of more than \$300 million