RUTGERS School of Nursing

Introduction

- Perinatal depression affects ~20% of this group (Fedock & Alvarez, 2018)
- CDC Pregnancy Risk Assessment Monitoring System (PRAMS): Prenatal depression \rightarrow 12% US prevalence & ~10% in NY [study location] (CDC, 2017)
- Prenatal depression negatively impacts mother/fetal outcomes (Fedock & Alvarez, 2018)

Background & Significance

Guidelines & Recommendations to Screen:

- The United States Preventive Services Task Force (**USPSTF**) (Siu et al., 2016) • The American College of Obstetricians and
 - Gynecologists (<u>ACOG</u>) (ACOG, 2018)
- ~1/3 of cases may be identified and treated, & obstetricians report screening ~80% of postpartum (PP) versus ~50% of prenatal patients (Fedock & Alvarez, 2018)
- Only 66% of obstetricians use a valid tool (Taouk et al., 2018)
- Provider antidepressant use, prenatal VS PP (28% vs 54%) (Venkatesh et al., 2016)
- Depression screening & management in the prenatal population may therefore be neglected to a degree

Methodology

- Provider-focused quality improvement (QI) project, with quasi-experimental design
- A Pre/Post-intervention chart review conducted to compare pre/post-intervention prenatal depression screening, & follow-up care rates
 - Provider staff education with pre/post-tests

Interventions

• Staff/provider education with pre/post-tests Administer the Edinburgh Postnatal Depression Scale (EPDS) to prenatal women

AIMS & Objectives

<u>AIM</u>: to increase the rate of formal prenatal depression screenings, & Follow-up in a private OBGYN office **Objectives**:

•Conduct an educational session to providers/staff (n=5), with pre/post-test regarding the importance of screening with a valid tool (EPDS)

 Administer pre/post-tests before and after the educational intervention to determine if education was successful by examining degree of familiarity, comfort with administration, and comfort with explanation of the EPDS to patients, & frequency of administration

• Administer the EPDS to clients as they waited in the waiting area

• Assess the efficacy of interventions through a pre/post-intervention chart review of 30 randomly selected charts from 2, 1-month periods (2nd review after > 1 month of EPDS rollout)

An Education and Workflow Management Intervention, Incorporating the Edinburgh Postnatal Depression Scale, to Improve Prenatal Depression Screening Rates and Follow-up Peter Habib, Ann Bagchi, and Shelby Pitts

<u>Results</u>				
General Findings: Formal and Informal Screenings and Identified +Depression Screens				
	# In the 1 st Month Period	% In the 1 st	# In the 2nd Month Period	% In the 2n Month Per
ormal creening	0	0%	11	36.7%
oformal creening	30	100%	19	63.3%
lentified ases of epression	2	6.7%	3	10%
Formal and Informal Screenings				
Informal Screening		63.3%	100%	
Formal Screening	30%	6.7%		
0% 50% 100% 150% ■ % In the 2nd Month Period ■ % In the 1st Month Peri				
*A statistically significant increase in formal screening (0% v 36.7%) (Wilcoxon Z= -3.317, p < .001) Lack of more formal screenings due to refusals				
Follow-up Care				
	# In the 1 st Month Period	% In the 1 st Month Period	# In the 2nd Month Period	% In the 2n Month Peri
erapy Referral	2	6.7%	1	3.3%
tidepressant tiation	0	0%	0	0%
chiatric Care ferral	0	0%	0	0%

Monitoring & 0% 10% 3 Supportive Bedside Counseling 4 vs 2 patients received f/u care post-intervention *Although f/u care doubled (13.3% vs 6.7%), this was not

statistically significant (Wilcoxon Z= -1.0, p .317)



Incorporating patient spirituality in addressing mental health in this population may alleviate the issue (Merhej, 2019)

• Psychotherapy may have been reserved for those with overt symptoms (patient with EPDS= 17). Perhaps the 2 patients given therapy in the 1st month were severely depressed, and would not have been identified through informal screening, had they experienced only mild symptoms • Perhaps more frequent screenings should take place as pregnancies progress, as later trimesters were correlated with positive screens

Implications

If the EPDS is applied to clinical practice, more cases would be identified or at risk of +depression screen, therefore, more would be treated, & preventative care can begin

 Informal screening may be inadequate to detect mild cases & cannot be used for preventative services

 Informal screening should therefore be discouraged & formal screening implemented, & enforced through staff education & public healthcare policy • EPDS use can lead to early detection of depression during pregnancy, resulting in better quality & safety of care, & healthcare cost reduction • Healthcare providers should be

educated regarding EPDS use during their training • The EPDS can be used to assess

treatment efficacy, & even justify antidepressant use

Conclusion

Depression in the prenatal period affects a significant number of women, yet many do not screen their prenatal patients (Fedock & Alvarez, 2018), nor do they screen with a valid tool (Taouk et al., 2018). The findings of this study suggest that staff education regarding the use of a valid screening tool, and administration of the screening tool, will result in more screening with the formal tool, identified cases, and even at-risk cases, thereby facilitating prompt interventions for the management of depressive symptoms

References



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